RECLAMATION

Managing Water in the West

RIO GRANDE PROJECT

El Paso Field Division
10737 Gateway Blvd. West, Suite 350
El Paso, TX 79935

U. S Dept. of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

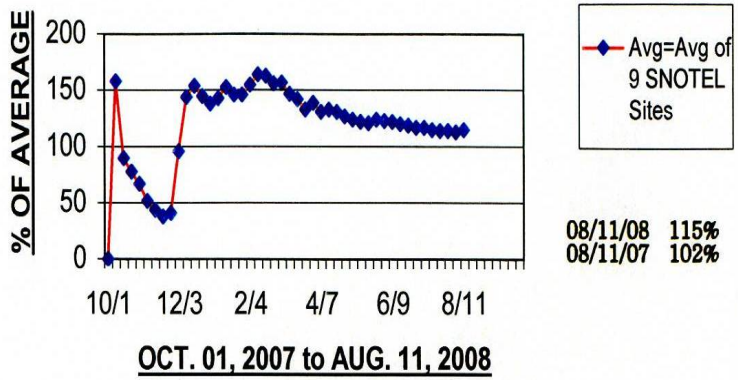
RIO GRANDE PROJECT

August 14, 2008

CURRENT HYDROLOGIC CONDITIONS OF UPPER RIO GRANDE BASIN

U. S Dept. of the Interior
Bureau of Reclamation

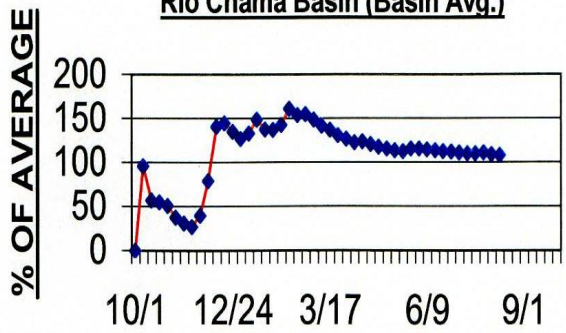
% OF TOTAL PRECIPITATION vs TIME
Upper Rio Grande Basin (Basin Avg.)



08/11/08 115%
08/11/07 102%

OCT. 01, 2007 to AUG. 11, 2008

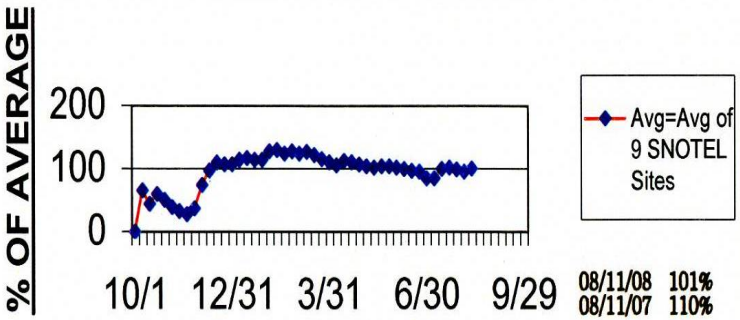
% OF AVG. TOTAL PRECIPITATION vs TIME
Rio Chama Basin (Basin Avg.)



08/11/08 108%
08/11/07 79%

OCT. 01, 2007 to AUG. 11, 2008

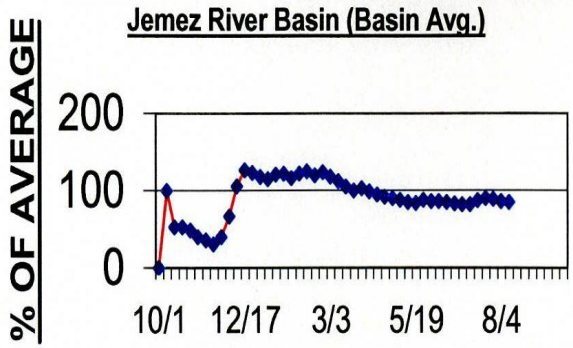
% OF AVG. TOTAL PRECIPITATION vs TIME
Sangre de Cristo Mtn Basins (Basin Avg.)



08/11/08 101%
08/11/07 110%

OCT. 01, 2007 to AUG. 11, 2008

% OF AVG. TOTAL PRECIPITATION vs TIME
Jemez River Basin (Basin Avg.)

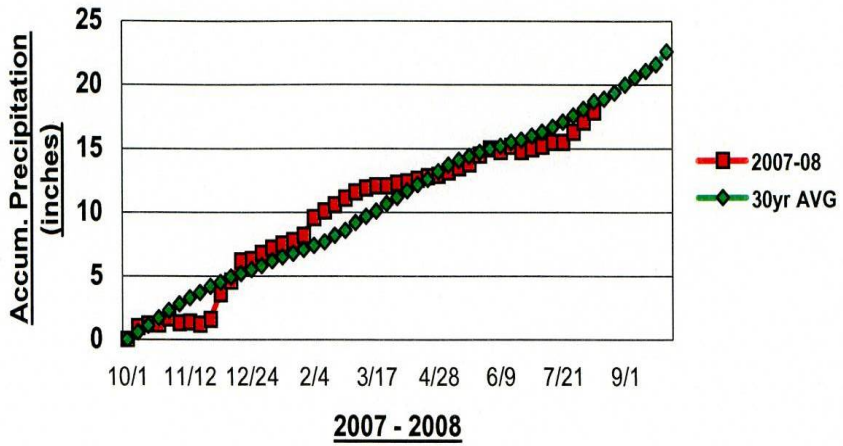


08/11/08 85%
08/11/07 102%

OCT. 01, 2007 to AUG. 11, 2008

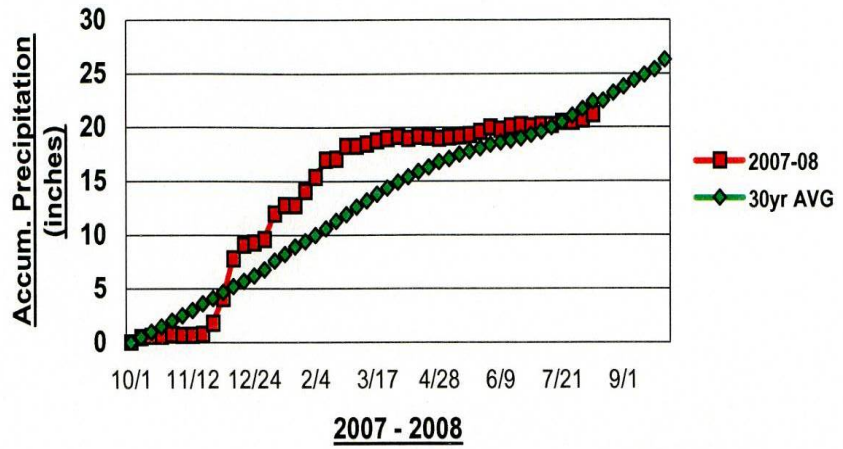
UPPER RIO GRANDE PRECIP

Elevation: 9,400 FT



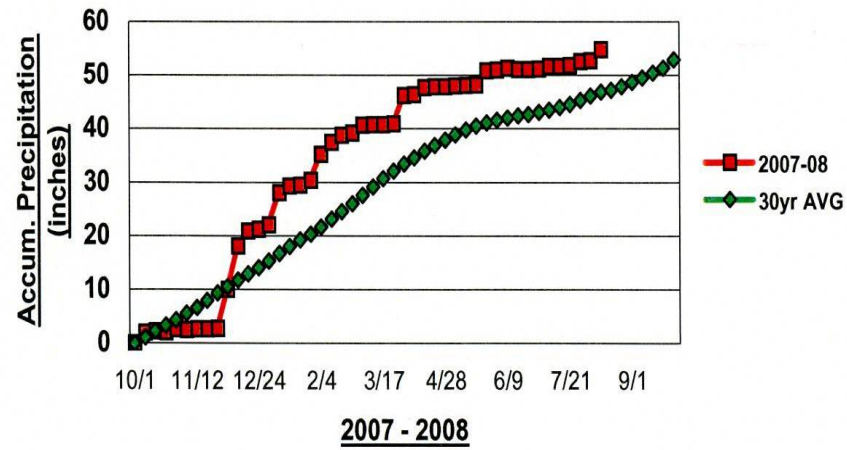
CHAMITA PRECIP

Elevation: 8,400 FT



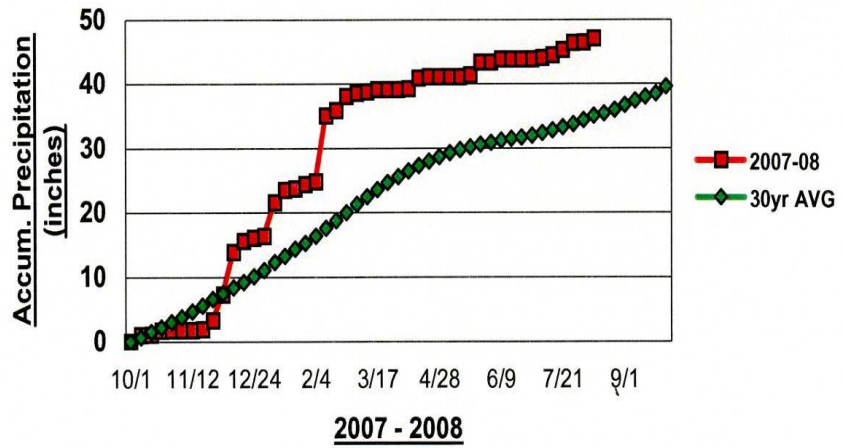
WOLF CREEK SUMMIT PRECIP

Elevation: 11,000 FT



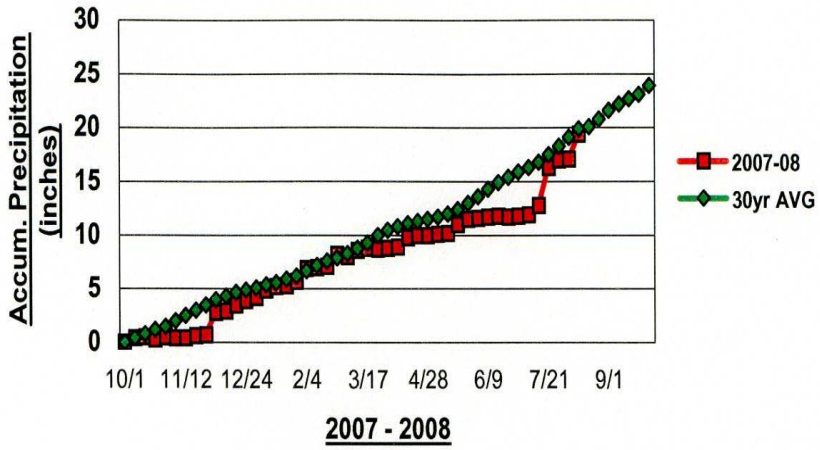
CUMBRES TRESTLE PRECIP

Elevation: 10,040 FT



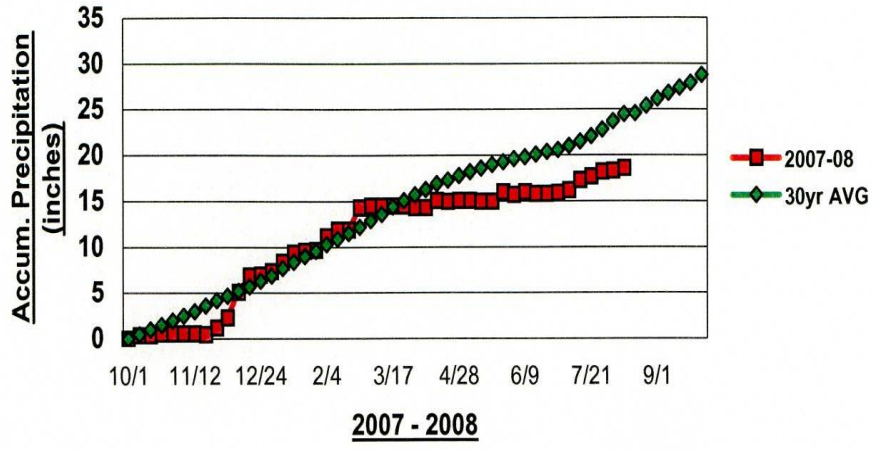
ELK CABIN PRECIP

Elevation: 8,210 FT



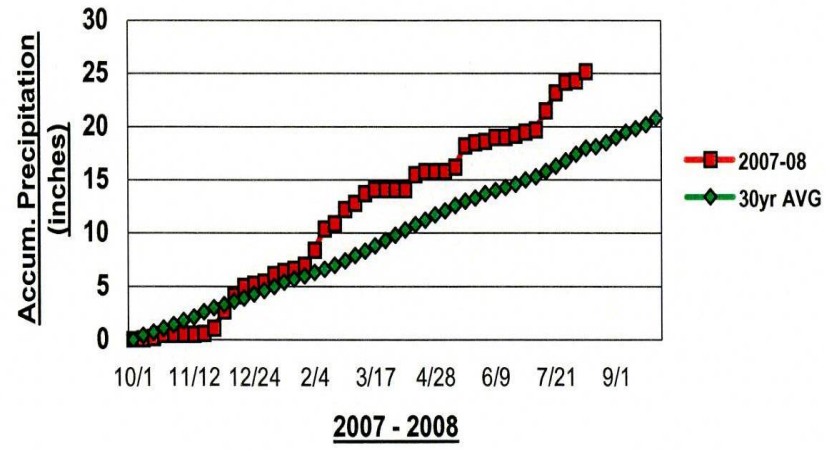
SENORITA DIVIDE #2 PRECIP

Elevation: 8,600 FT



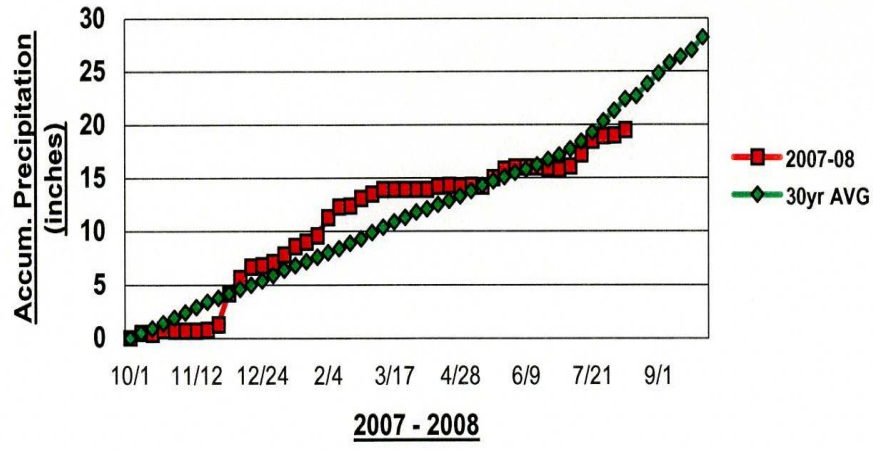
RED RIVER PASS #2 PRECIP

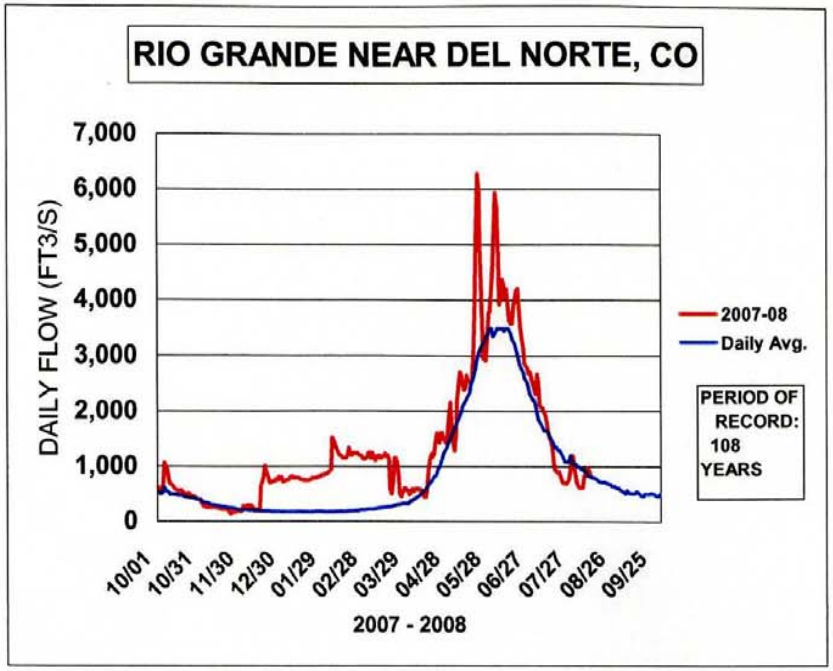
Elevation: 9,850 FT

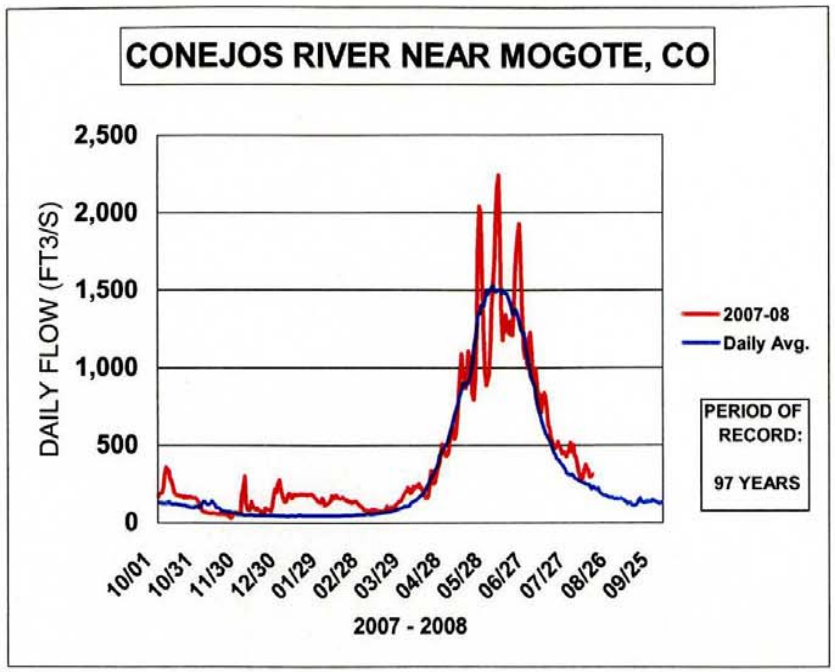


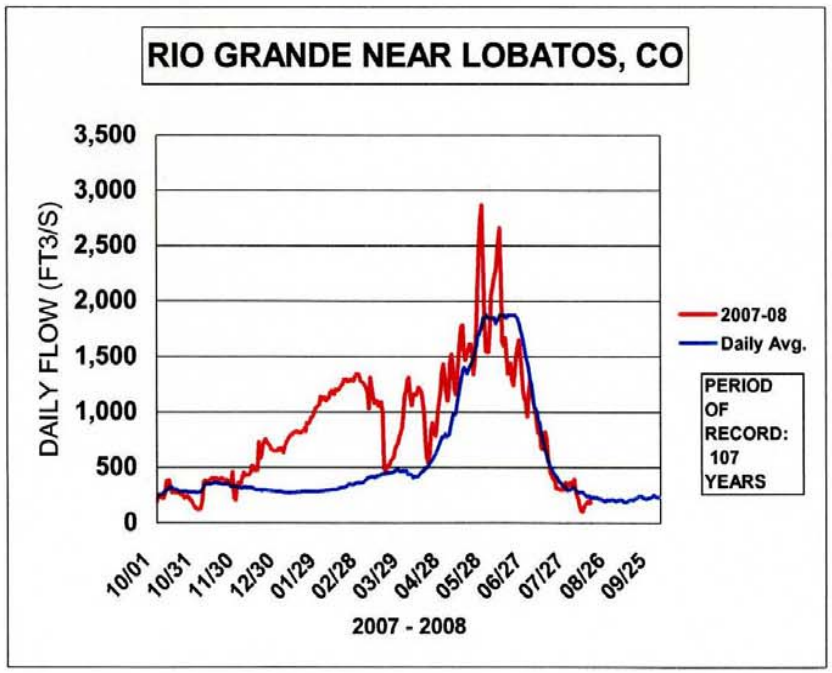
QUEMAZON PRECIP

Elevation: 9,500 FT

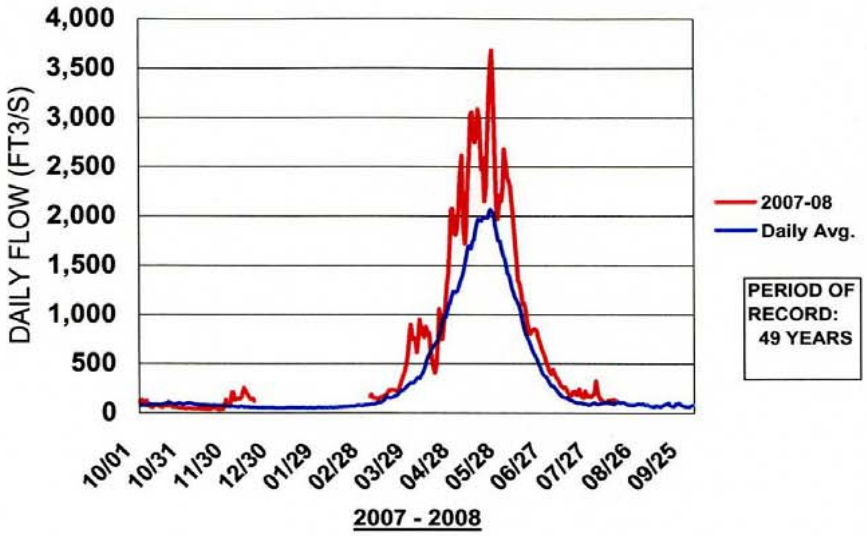



RIO GRANDE NEAR DEL NORTE, CO
DAILY FLOW (FT3/S)
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
10/01
10/31
11/30
12/30
01/29
02/28
03/29
04/28
05/28
06/27
07/27
08/26
09/25
2007 - 2008
2007-08
Daily Avg.
PERIOD OF RECORD: 108 YEARS

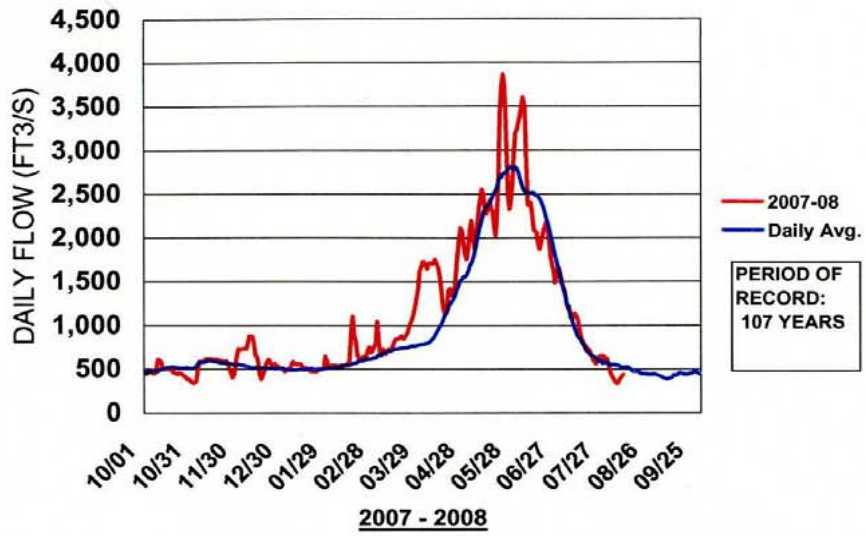

CONEJOS RIVER NEAR MOGOTE, CO
DAILY FLOW (FT3/S)
2,500
2,000
1,500
1,000
500
0
10/01
10/31
11/30
12/30
01/29
02/28
03/29
04/28
05/28
06/27
07/27
08/26
09/25
2007 - 2008
2007-08
Daily Avg.
PERIOD OF RECORD: 97 YEARS


RIO GRANDE NEAR LOBATOS, CO
DAILY FLOW (FT3/S)
3,500
3,000
2,500
2,000
1,500
1,000
500
0
10/01
10/31
11/30
12/30
01/29
02/28
03/29
04/28
05/28
06/27
07/27
08/26
09/25
2007 - 2008
2007-08
Daily Avg.
PERIOD OF RECORD: 107 YEARS

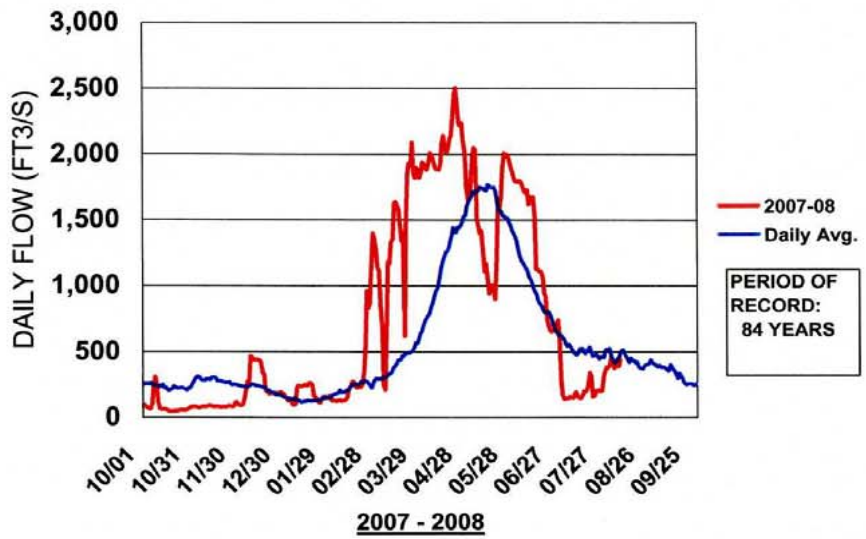
RIO CHAMA NEAR LA PUENTE, NM



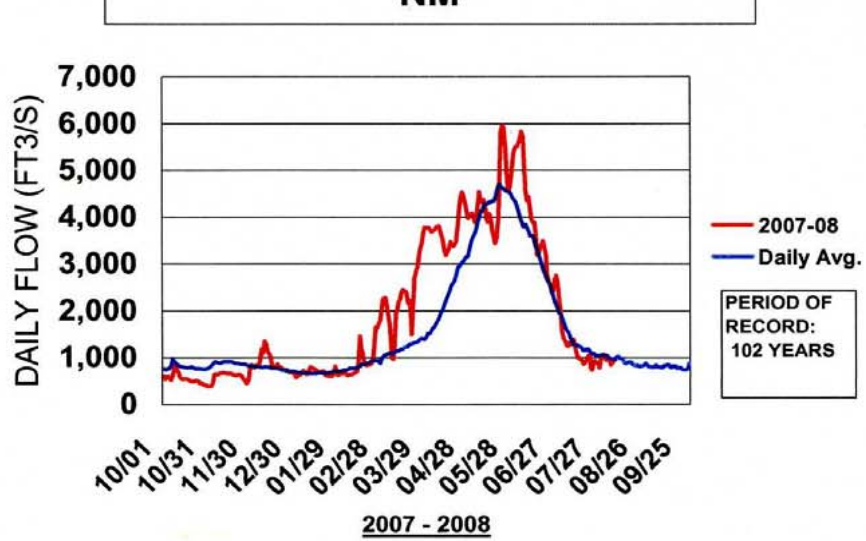
RIO GRANDE AT EMBUDO, NM



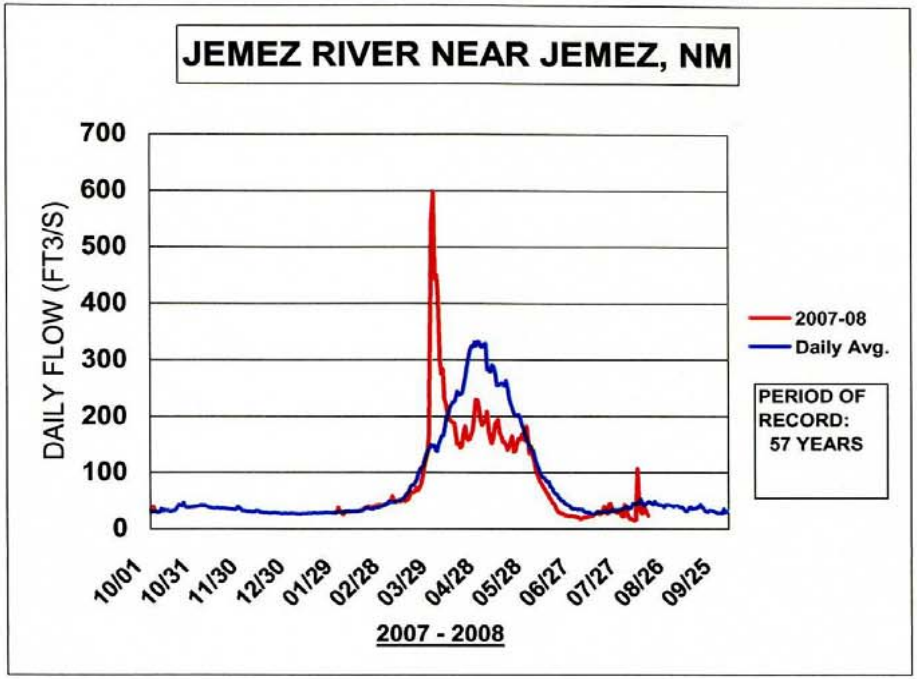
RIO CHAMA NEAR CHAMITA, NM



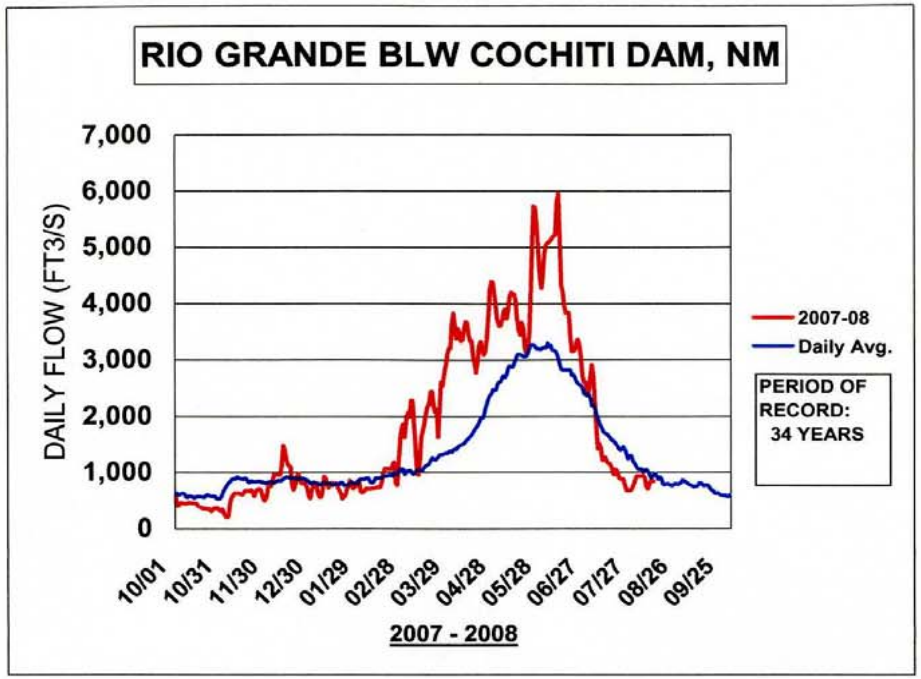
RIO GRANDE AT OTOWI BRIDGE, NM



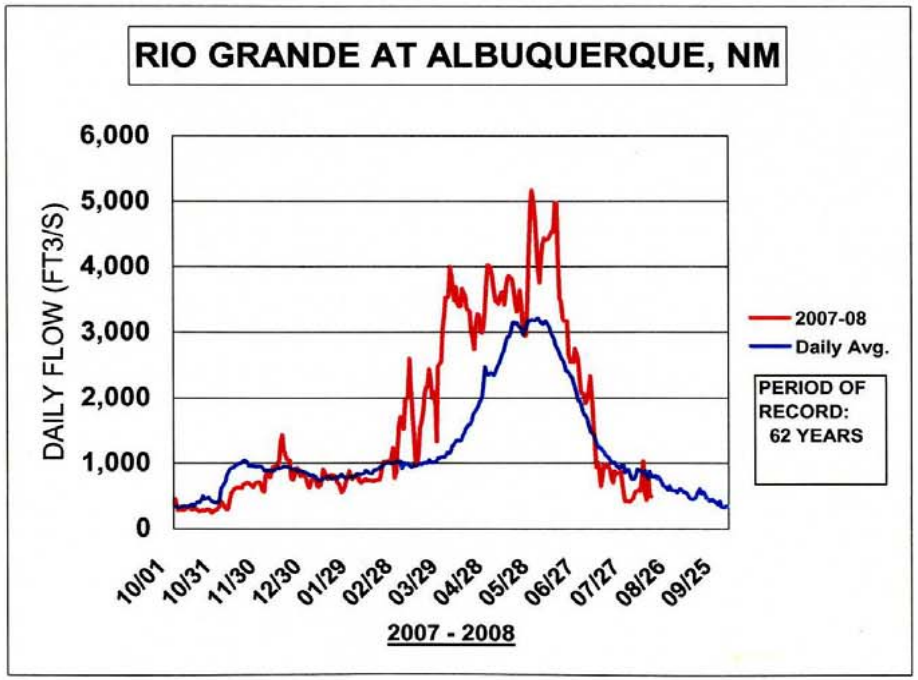
JEMEZ RIVER NEAR JEMEZ, NM

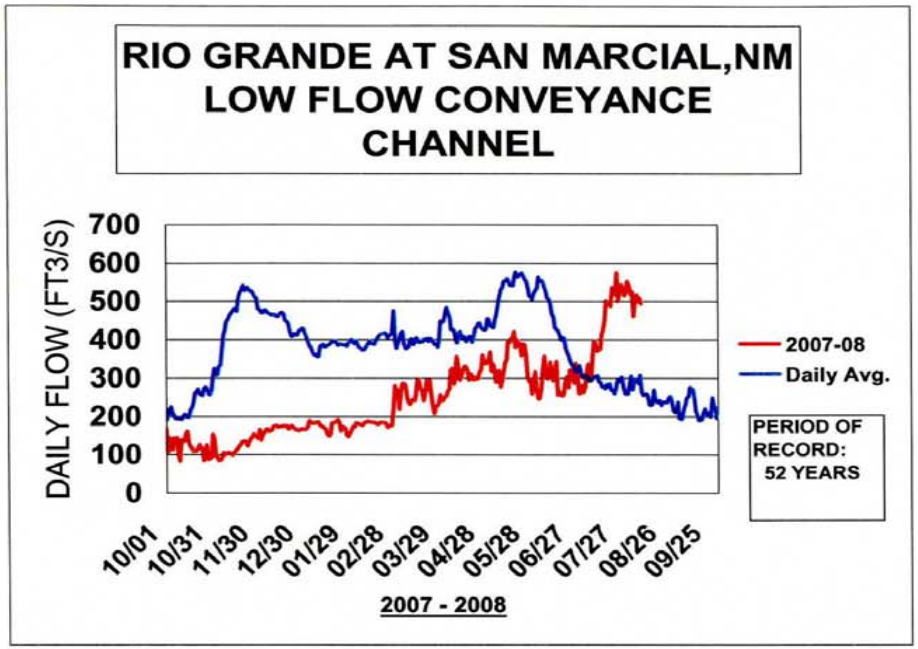


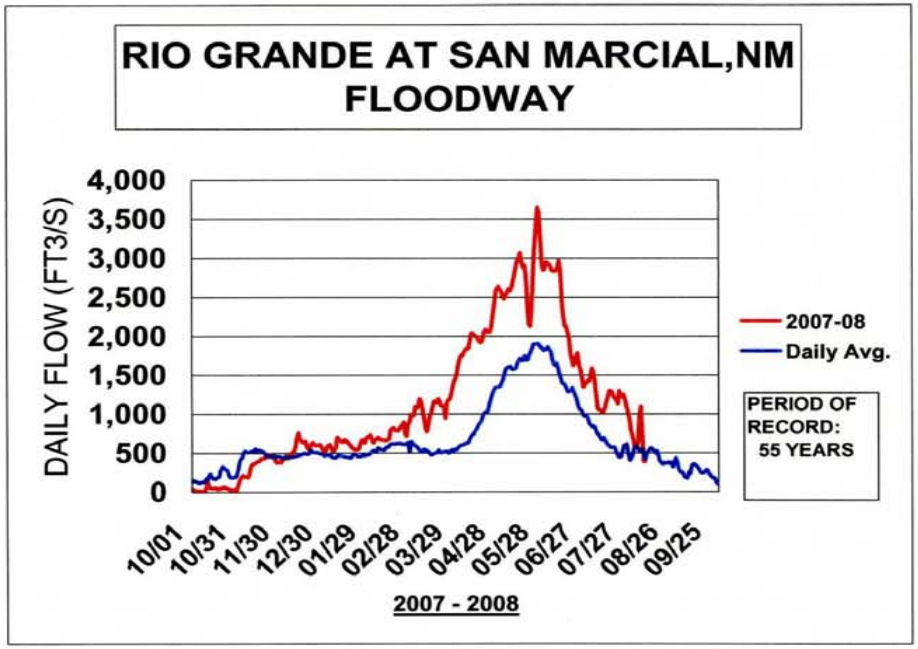
RIO GRANDE BLW COCHITI DAM, NM

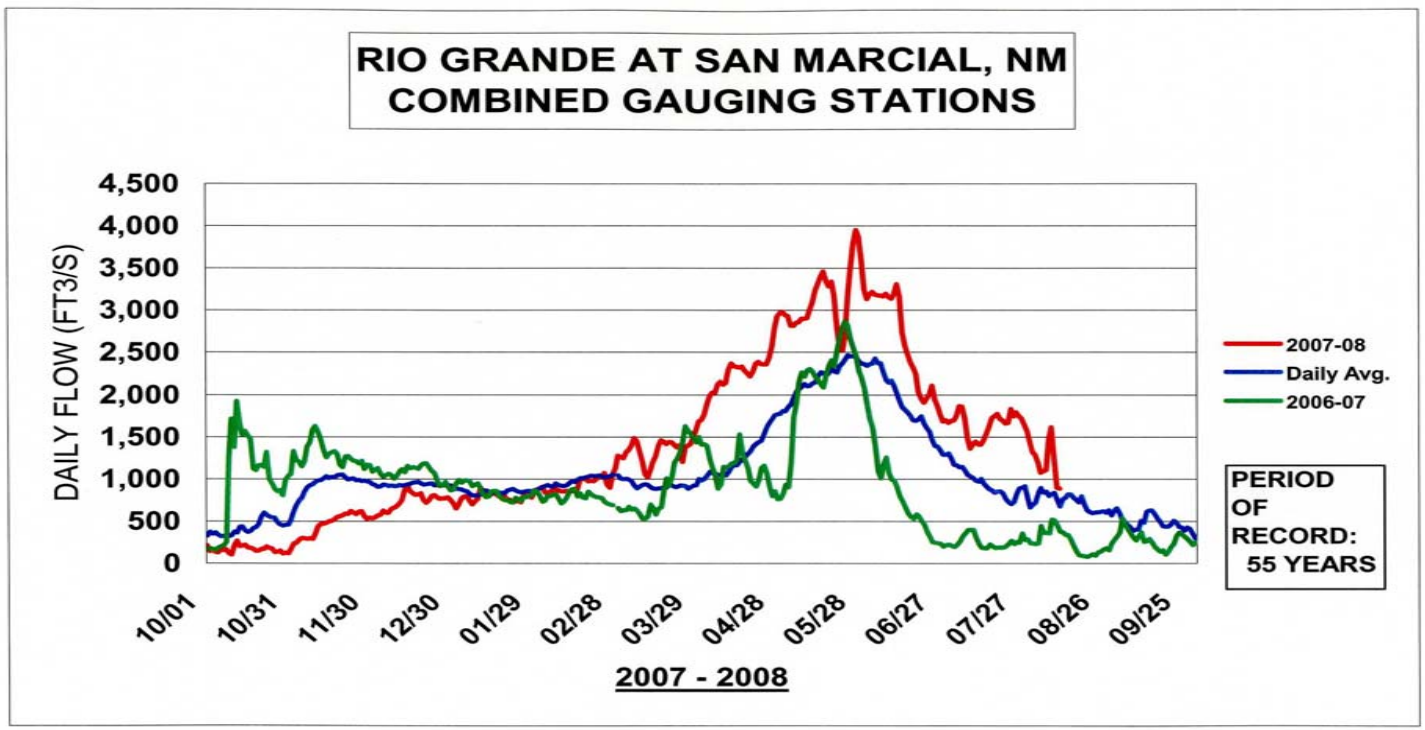


RIO GRANDE AT ALBUQUERQUE, NM

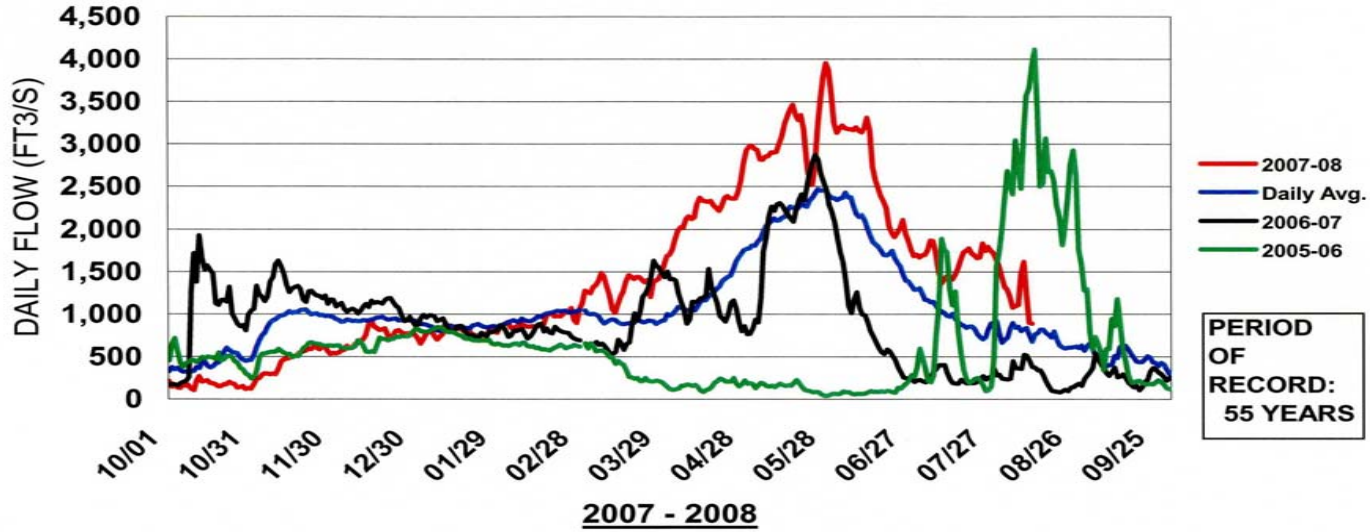



RIO GRANDE AT SAN MARCIAL,NM
LOW FLOW CONVEYANCE
CHANNEL
DAILY FLOW (FT3/S)
700
600
500
400
300
200
100
0
10/01
10/31
11/30
12/30
01/29
02/28
03/29
04/28
05/28
06/27
07/27
08/26
09/25
2007 - 2008
2007-08
Daily Avg.
PERIOD OF
RECORD:
52 YEARS

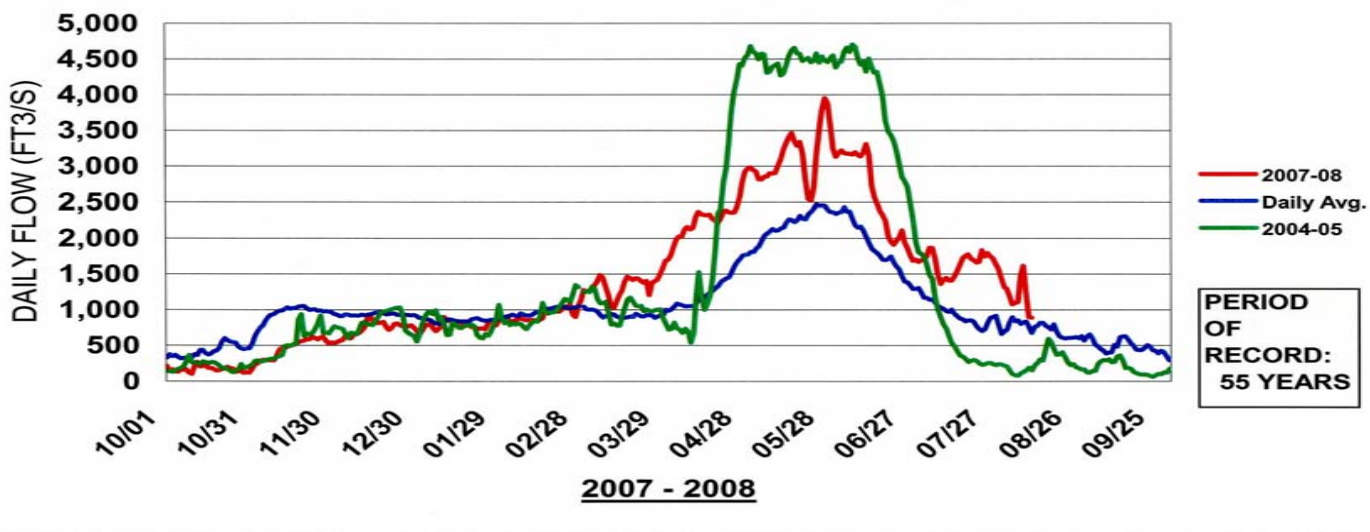

RIO GRANDE AT SAN MARCIAL,NM
FLOODWAY
DAILY FLOW (FT3/S)
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
10/01
10/31
11/30
12/30
01/29
02/28
03/29
04/28
05/28
06/27
07/27
08/26
09/25
2007 - 2008
2007-08
Daily Avg.
PERIOD OF
RECORD:
55 YEARS


RIO GRANDE AT SAN MARCIAL, NM
COMBINED GAUGING STATIONS
DAILY FLOW (FT3/S)
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
10/01
10/31
11/30
12/30
01/29
02/28
03/29
04/28
05/28
06/27
07/27
08/26
09/25
2007 - 2008
2007-08
Daily Avg.
2006-07
PERIOD
OF
RECORD:
55 YEARS

RIO GRANDE AT SAN MARCIAL, NM
COMBINED GAUGING STATIONS



RIO GRANDE AT SAN MARCIAL, NM
COMBINED GAUGING STATIONS



RECLAMATION

Managing Water in the West

RIO GRANDE PROJECT

INFLOW TO ELEPHANT BUTTE RESERVOIR AT SAN MARCIAL STATIONS

2007	2008							
Oct - Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Total
82,347	48,363	53,710	83,250	135,784	193,063	153,023	101,155	850,695
Avg.149,000	47,000	48,000	60,000	120,000	195,000	130,000	68,000	817,000

Mar.-Jul. 2007 = 55.3% of average (316,976 AF)

Mar.–Jul. 2008 = 116.3% of average (666,275 AF)

Oct. 2007 – Feb. 2008 = 75.6% of average

SPRING RUNOFF FORECASTS

2008

RIO GRANDE BASIN

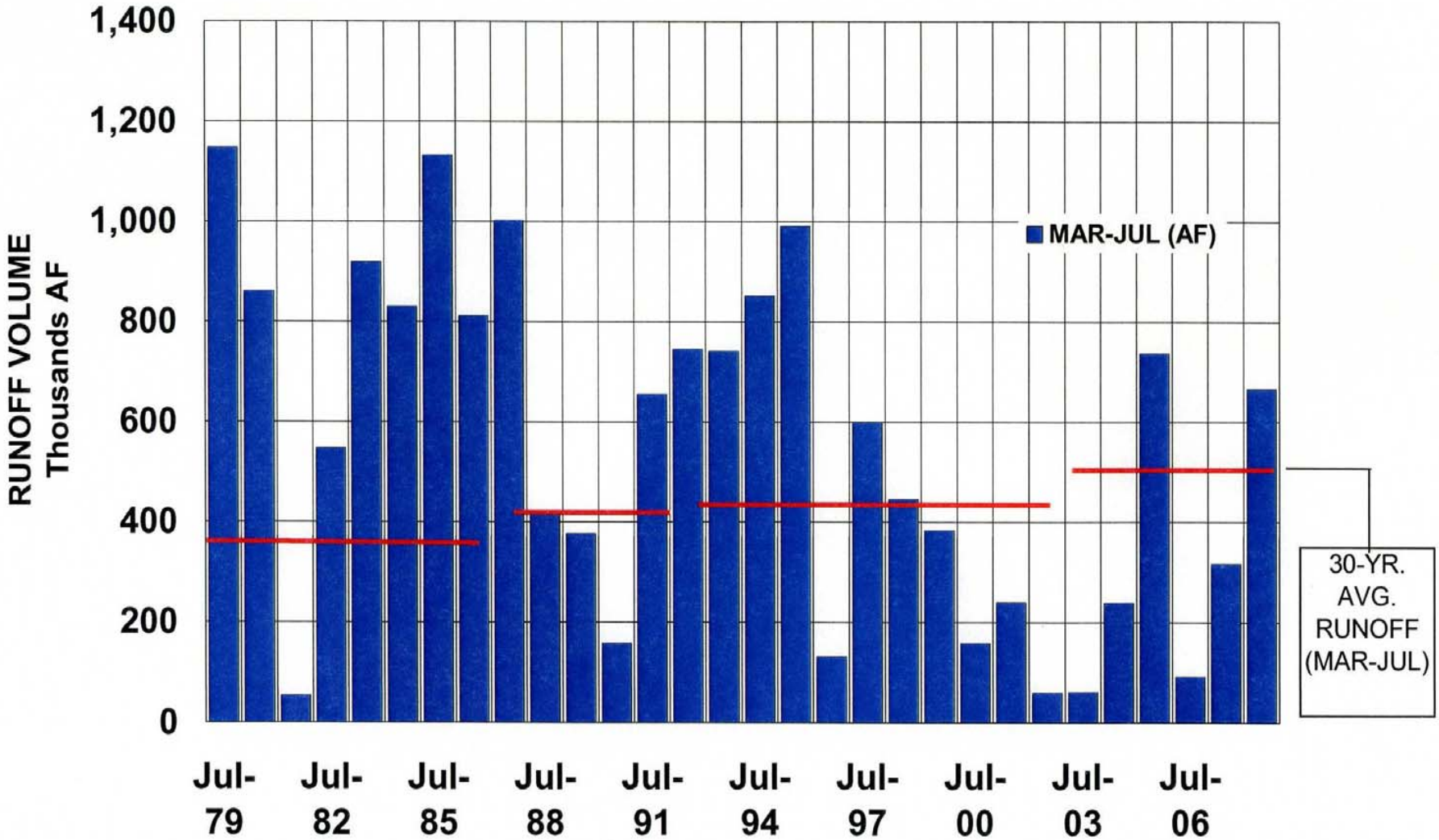
(ACRE-FEET)

FORECAST POINT	Rio Grande nr Del Norte	Rio Chama at El Vado Reservoir	Rio Grande at Otowi Bridge	Jemez River at Jemez Canyon Reservoir	Rio Grande at San Marcial
FORECAST PERIOD	APR-SEP	MAR-JUL	MAR-JUL	MAR-JUL	MAR-JUL
30-YEAR AVERAGE RUNOFF *	531,000	237,000	757,000	45,000	**573,000**
JANUARY 1 FORECAST	**690,000** 130%	**295,000** 124%	**940,000** 124%	**36,000** 80%	**750,000** 131%
FEBRUARY 1 FORECAST	**790,000** 149%	**390,000** 165%	**1,300,000** 172%	**50,000** 111%	**1,050,000** 183%
MARCH 1 FORECAST	**850,000** 160%	**400,000** 169%	**1,380,000** 182%	**52,000** 116%	**1,150,000** 201%
APRIL 1 FORECAST	**745,000** 140%	**375,000** 158%	**1,170,000** 155%	**41,000** 91%	**980,000** 171%
MAY 1 FORECAST **	**680,000** 128%	**330,000** 139%	**1,040,000** 137%	**36,000** 80%	**695,000** 121%
JUNE 1 FORECAST	**655,000** 123%	**305,000** 129%	**965,000** 127%	**33,000** 73%	**665,000** 116%
	70% Exceedance: (drier)		**920,000** 122%		**615,000** 107%
	90% Exceedance: (minimum - driest)		**860,000** 114%		**550,000** 96%
JUNE 1, 2007	**450,000** 85%	**178,000** 75%	**530,000** 70%	**38,000** 84%	**410,000** 72%

* based on 1971-2000 runoff data.

** last official forecast for 2008 spring runoff.

HISTORICAL RUNOFF - SAN MARCIAL
1979 - 2008



EL NIÑO/SOUTHERN OSCILLATION (ENSO) DIAGNOSTIC DISCUSSION

issued by

CLIMATE PREDICTION CENTER/NCEP/NWS

7 August 2008

Synopsis: ENSO-neutral conditions are expected to continue through the Northern Hemisphere Fall 2008.

ENSO-neutral conditions continued during July 2008, as sea surface temperatures (SSTs) in the central equatorial Pacific Ocean remained near-average (Fig. 1, bottom). As is typical with ENSO-neutral conditions, atmospheric and oceanic indicators were mixed, with certain areas in the equatorial Pacific Ocean suggesting a lingering influence of La Niña and others reflecting an increase in above-average temperatures, particularly in the eastern Pacific.

From west to east, the latest weekly SST index values range from −0.3°C in the Niño-4 region to +0.9°C in the Niño 1+2 region (Fig. 2). The subsurface oceanic heat content (average temperatures in the upper 300m of the ocean, Fig. 3) has also increased in response to positive temperature anomalies along the thermocline (Fig. 4). However, a weak, shallow region of below-average temperatures still remains near the International Date Line.

The atmospheric circulation over the western and central tropical Pacific continues to reflect some aspects of La Niña. Enhanced low-level easterly winds and upper-level westerly winds persist in this region, while convection remains generally suppressed over the central Pacific. In contrast, the eastern equatorial Pacific features weak-to-average low-level easterly winds and average precipitation. Despite recent increases in SST anomalies, the actual SSTs are not warm enough to support convection (Fig. 1, top). Collectively, these atmospheric and oceanic anomalies are consistent with ENSO-neutral conditions.

Most of the recent dynamical and statistical SST forecasts for the Niño 3.4 region indicate ENSO-neutral conditions (−0.5 to 0.5 in the Niño-3.4 region) will continue into the Northern Hemisphere Spring 2009 (Fig. 5). However, due to the positive heat content anomalies in the Pacific Ocean, the development of El Niño cannot be ruled out during the later part of the year, although chances remain low. Based on current atmospheric and oceanic conditions, recent trends, and model forecasts, ENSO-neutral conditions are expected to continue through the Northern Hemisphere Fall 2008.

This discussion is a consolidated effort of the National Atmospheric and Oceanic Administration (NOAA), NOAA's National Weather Service, and their funded institutions. Oceanic and atmospheric conditions are updated weekly on the Climate Prediction Center web site (El Niño/La Niña Current Conditions and Expert Discussions). Forecasts for the evolution of El Niño/La Niña are updated monthly in the Forecast Forum section of CPC's Climate Diagnostics Bulletin. The next ENSO Diagnostics Discussion is scheduled for 11 September 2008. To receive an e-mail notification when the monthly ENSO Diagnostic Discussions are released, please send an e-mail message to: ncep.list.enso-update@noaa.gov.

Climate Prediction Center
National Centers for Environmental Prediction
NOAA/National Weather Service
Camp Springs, MD 20746-4304

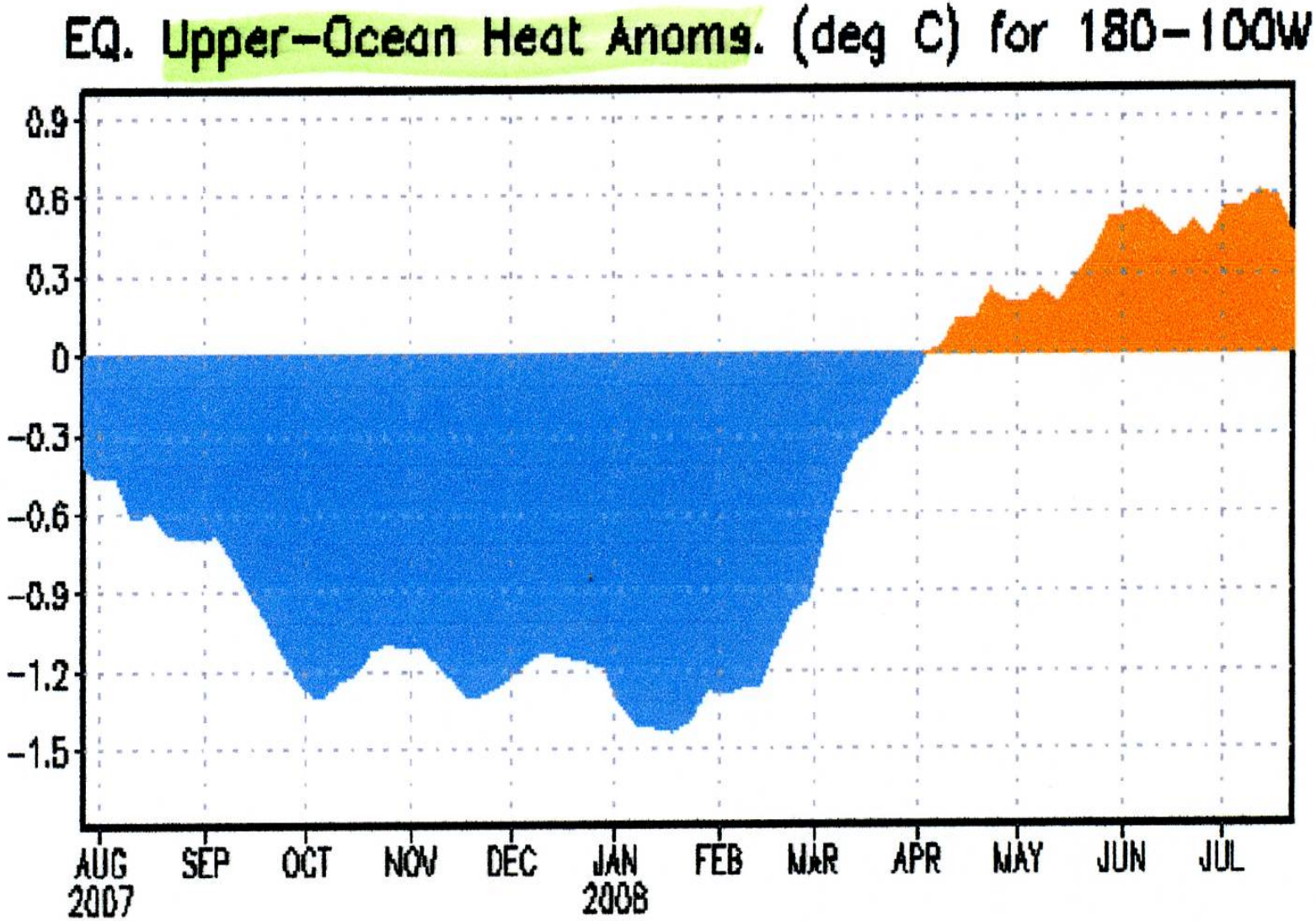


Figure 3. Area-averaged upper-ocean heat content anomalies (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). Heat content anomalies are computed as departures from the 1982-2004 base period pentad means.

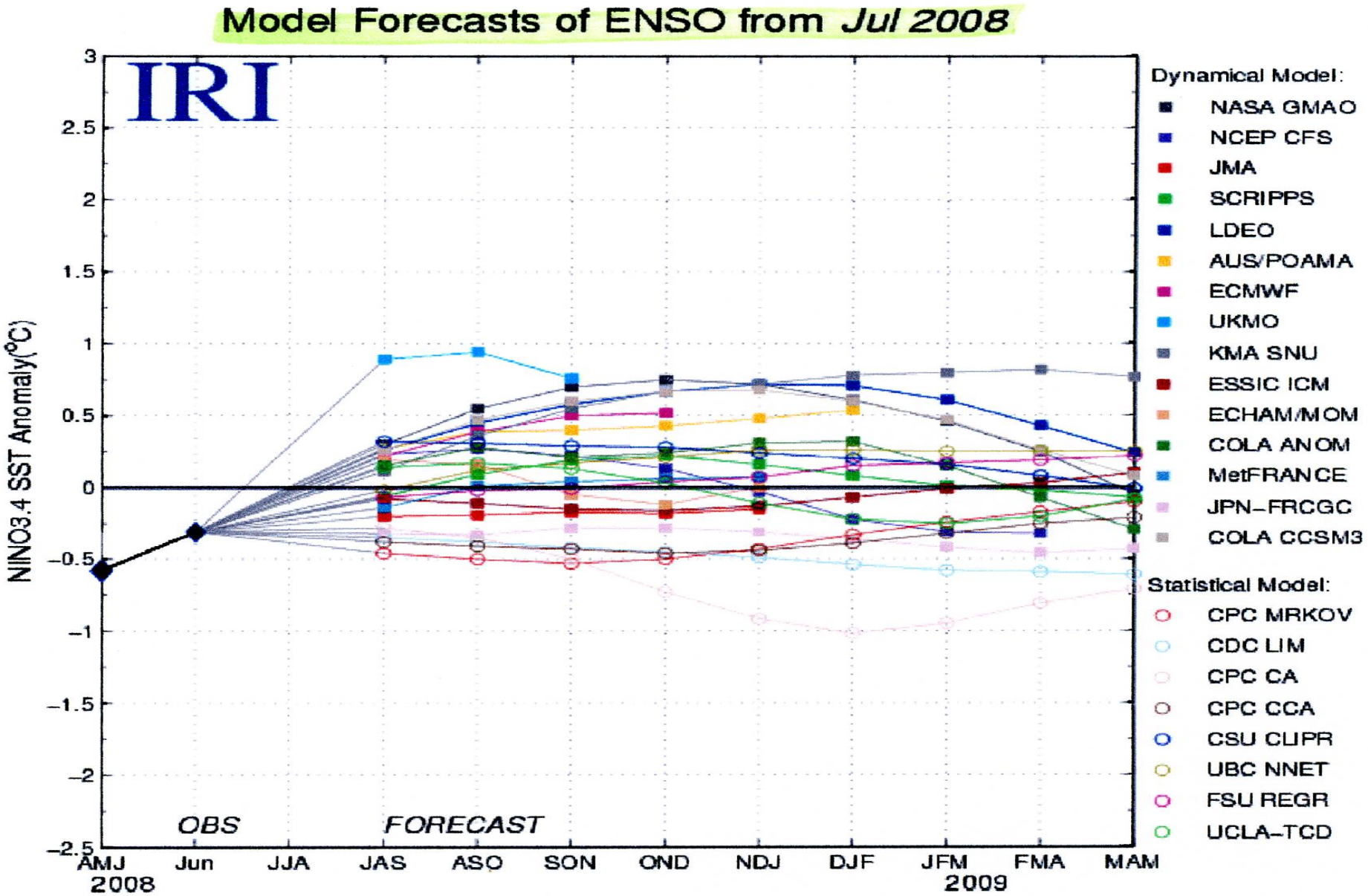


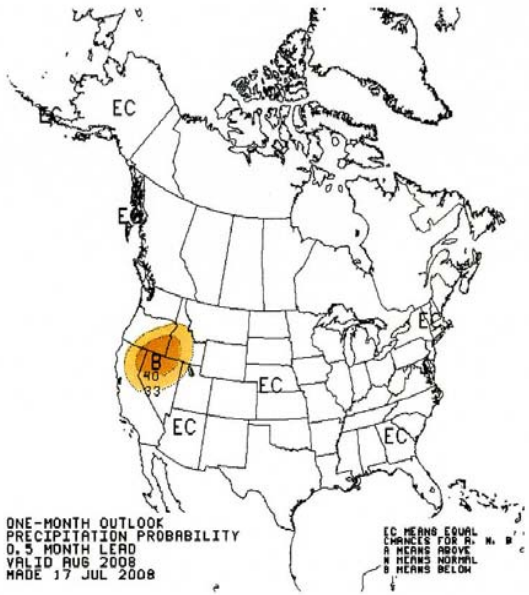
Figure 5. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure courtesy of the International Research Institute (IRI) for Climate and Society. Figure updated 15 July 2008.

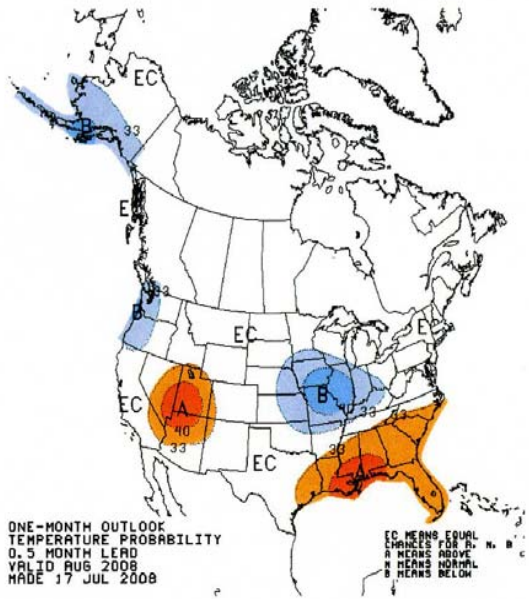
2008

Precipitation

Temperature

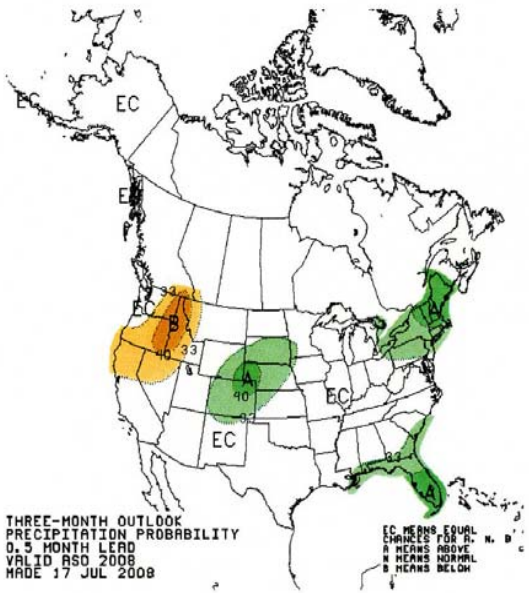
Aug08

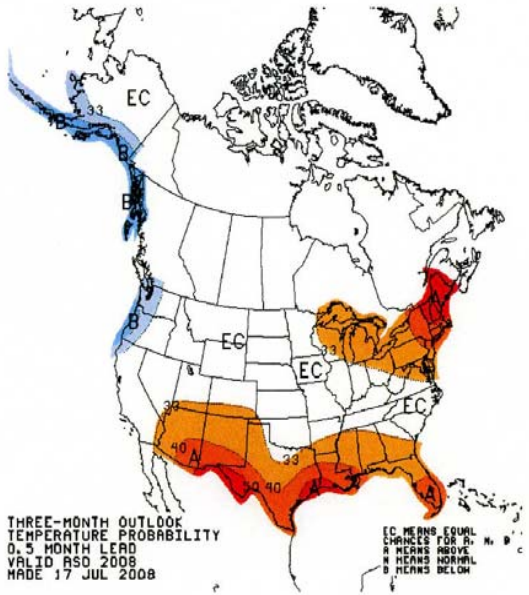




Aug08

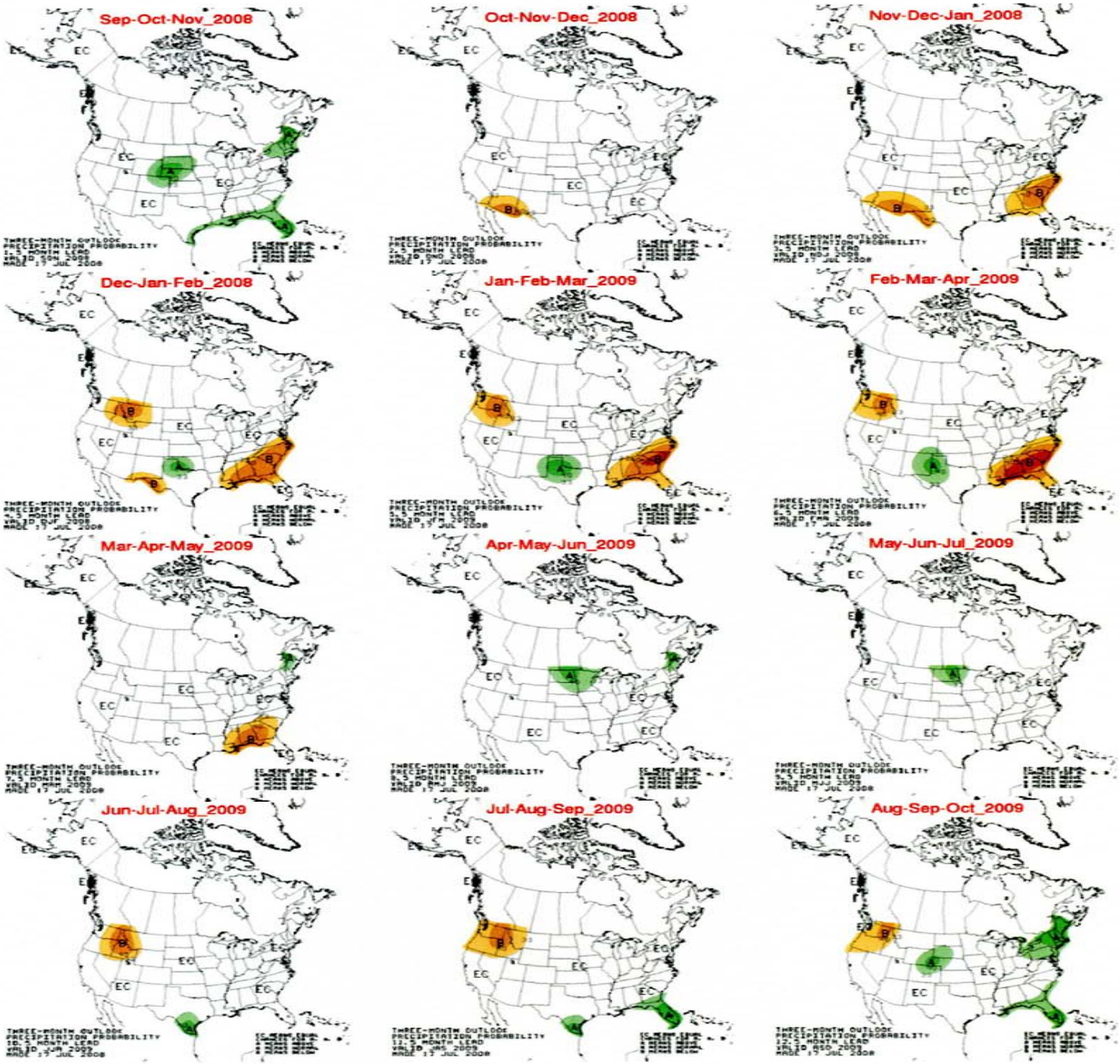
Aug08-
Oct08



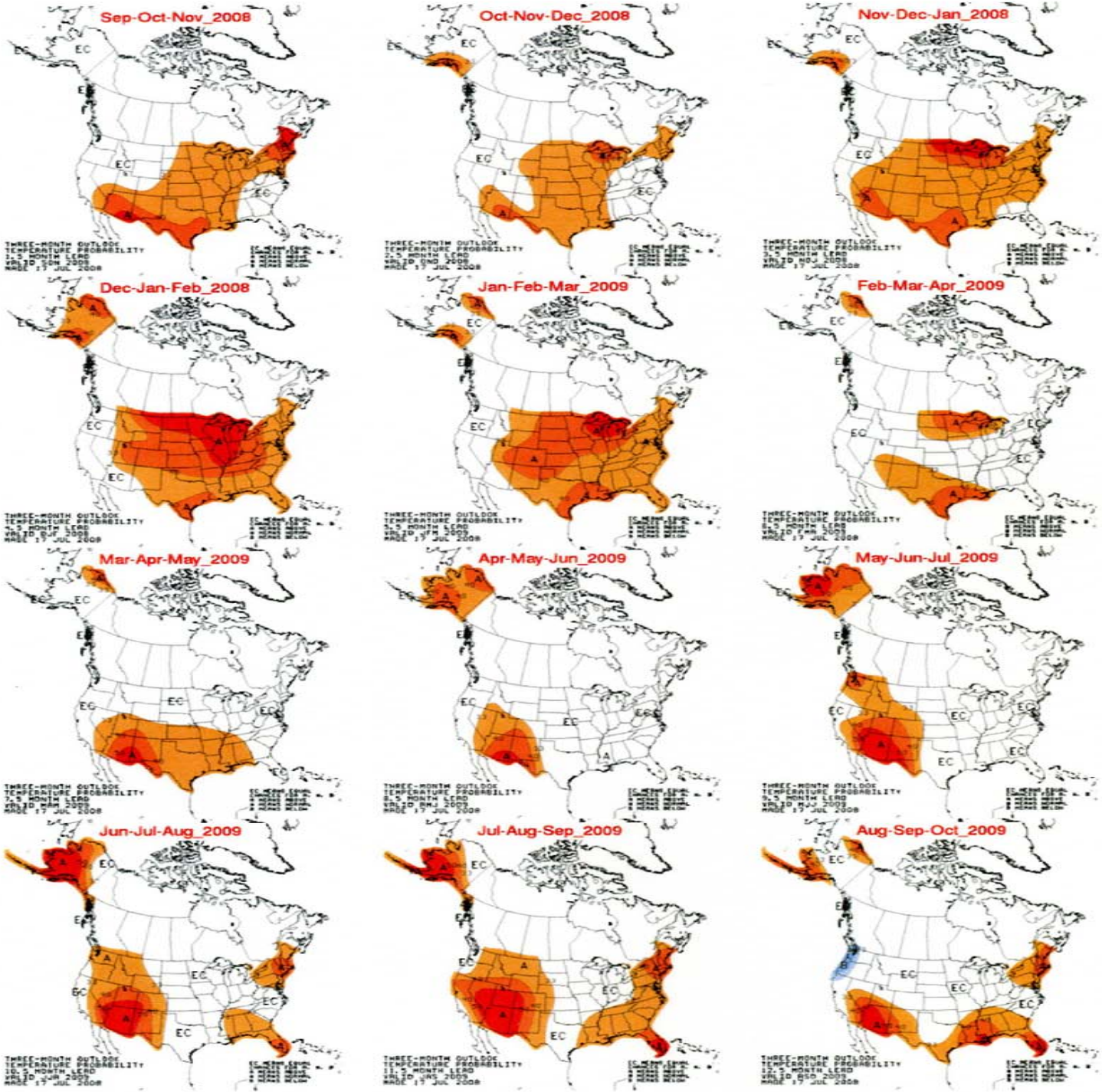


Aug08-
Oct08

Precipitation
Sep08-Aug09



Temperature
Sep08-Aug09



RECLAMATION

Managing Water in the West

RIO GRANDE PROJECT

CURRENT RESERVOIR CONDITIONS

U. S Dept. of the Interior
Bureau of Reclamation

BUREAU OF RECLAMATION
RIO GRANDE PROJECT
EL PASO, TX

2008 OPERATIONAL DATA STATUS

ELEPHANT BUTTE RESERVOIR

			RESERVOIR WATER SURFACE ELEVATION (feet)		FEET BELOW SPILLWAY CREST (feet)	RESERVOIR TOTAL STORAGE (acre-feet)	PERCENT OF FULL RESERVOIR (%)	RESERVOIR WATER SURFACE AREA (acres)	PERCENT OF FULL RESERVOIR SURFACE AREA (%)
TODAY'S DATE:	**Thursday,**	**August 14, 2008**	**4347.92**		**59.08**	**613,369**	**31.08%**	**14,423**	**40.98%**
2008 HIGH POINT:	**Tuesday,**	**June 17, 2007**	**4350.18**		**56.82**	**646,410**	**32.76%**	**14,838**	**42.16%**
2007 LOW POINT:	**Wednesday,**	**October 24, 2007**	**4324.40**		**82.60**	**323,488**	**16.19%**	**10,270**	**28.85%**
Gates Closed Oct. 25, 2007									
2006 LOW POINT:	Friday,	July 28, 2006	4308.50		98.50	183,875	9.32%	7,228	20.54%
2005 LOW POINT:	Saturday,	January 01, 2005	4309.94		97.06	194,426	9.73%	7,426	20.86%
2004 LOW POINT:	Friday,	September 24, 2004	4294.04	*	112.96	94,615	4.79%	4,935	14.02%

* We haven't been this low at Elephant Butte Reservoir since November 1978.

CABALLO RESERVOIR

TODAY'S DATE:	**Thursday,**	**August 14, 2008**	**4145.47**		**26.97**	**	**47,480**	**20.95%**	**3,839**	**41.05%**
2008 HIGH POINT:	**Tuesday,**	**July 15, 2008**	**4149.69**		**22.75**	**	**65,676**	**28.97%**	**4,785**	**51.16%**
2007 LOW POINT:	**Tuesday,**	**October 16, 2007**	**4132.72**		**39.72**	**	**13,287**	**5.86%**	**1,814**	**19.39%**
Gates Closed Oct. 26, 2007.										
2006 FALL LOW PT.:	Sunday,	October 08, 2006	4141.98		30.46	**	35,351	15.60%	3,121	33.37%
Gates Closed Oct. 10, 2006.										
2005 LOW POINT:	Thursday,	October 13, 2005	4131.26		41.18	**	10,744	4.74%	1,670	17.86%
Gates Closed Oct. 14, 2005.										
2004 GATES CLOSED:	Tuesday,	September 28, 2004	4134.10		38.34	**	15,883	7.01%	1,949	20.84%

** Feet below top of conservation pool.

RECLAMATION

Managing Water in the West

RIO GRANDE PROJECT

2008 RESERVOIR OPERATIONS

U. S Dept. of the Interior
Bureau of Reclamation

WORKSHEET OF STATUS OF RIO GRANDE COMPACT CREDIT WATERS & SAN JUAN-CHAMA WATER IN ELEPHANT BUTTE RESERVOIR AND ACCRUED DEPARTURES

WTreers
8/7/2008

2008

	ELEPHANT BUTTE RESERVOIR			CABALLO RESERVOIR
	Rio Grande Compact Credit Waters			Rio Grande Compact Accrued Departure
	Colorado (AF)	New Mexico (AF)	San Juan-Chama Pool (AF)	Texas (AF)
Beginning of 2008 (derived from 2007 RGC Accounting)	7,200	184,500	4,048	778,400
Inflow to San Juan-Chama Pool from transfer upstream (Mar. 1 - Mar. 24, 2008)			21,911	
Estimated Evaporation from Jan. 1 to Jul 31, 2008 (derived from actual data)			1,981	
Relinquishment of Credit Water by NM to TX on February 01, 2008		125,000		
Relinquishment of Credit Water by CO to TX on February 29, 2008	1,200			
Caballo Reservoir Releases (actual data thru Jul 31, 2008)				495,247
Bonita Lateral Releases (actual data thru July 07, 2008)				707
2008 Departure from Normal Release at Caballo Reservoir (thru Dec. 31, 2008)				0
Preliminary Status of RGC Credit Waters, SJ-C Water, & Accr. Deps. to Jul 31, 2008	6,000	59,500	23,978	778,400 Accrued Departure CREDITS

RIO GRANDE COMPACT USABLE WATER IN PROJECT STORAGE

Thursday, August 14, 2008		
Elephant Butte Reservoir	613,369 acre-feet	
Caballo Reservoir	47,480 acre-feet	660,849 AF
Compact Credit Waters	-65,500 acre-feet	
San Juan-Chama Water	-23,978 acre-feet	-89,478 AF
USABLE PROJECT WATER		**571,371 AF**

RECLAMATION

2008
RIO GRANDE COMPACT USABLE WATER IN PROJECT STORAGE

Rio Grande Compact Article VII Restriction

Compact usable water went below 400K on Jul. 04, 2007
Compact usable water went above 400K on Feb. 01, 2008

Prediction (based on latest RGP op. plan dated 08/13/08):

Stay above 400K for the rest of 2008

RIO GRANDE PROJECT RESERVOIR OPERATIONS — **PRELIMINARY SUBJECT TO REVIEW** — 13-Aug-08

BASED ON 2008 MARCH THROUGH JULY WATER SUPPLY OUTLOOK REPOR **Jun 1**

2008 MAR-JUL @ SAN MARCIAL (NRCS forecast)	116%	665 KAF
2008 MAR-JUL @ SAN MARCIAL (regulated forecast)	118%	676 KAF
2008 MAR-JUL @ SAN MARCIAL (based on present conditions)	119%	682 KAF

** Based on 30-yr (1971-2000)avg of 573,000 Acre-feet.

* Actual historical data

	YEAR	COCHITI RELEASE	NET LOSSES	SAN MARCIAL	<==== LOSSES	ELEPHANT BUTTE EVAP	ELEPHANT BUTTE CONTENT	ELEPHANT BUTTE====> RELEASE	<=== CABALLO EVAP	CABALLO LOSSES	IRRIG. DEMAND	EXCESS RELEASE	TOTAL RELEASE	CABALLO CONTENT	
	2007														**2007**
*	JAN	38	-14	52	5	2	558	1	1	-3	0	0	0	45	JAN
*	FEB	40	-3	44	-1	4	598	0	1	-2	0	0	0	47	FEB
*	MAR	86	28	57	-14	7	609	54	1	4	76	0	76	19	MAR
*	APR	73	8	66	-15	10	556	124	2	6	74	0	74	61	APR
*	MAY	161	29	133	4	10	601	73	3	6	56	0	56	68	MAY
*	JUN	84	38	46	-11	14	571	73	4	-7	104	0	104	40	JUN
*	JUL	50	34	16	-13	11	461	128	3	1	105	0	105	59	JUL
*	AUG	44	29	15	-15	9	397	86	3	4	105	0	105	33	AUG
*	SEP	40	23	17	-12	7	358	61	1	0	77	0	77	16	SEP
*	OCT	32	21	11	-5	6	326	42	1	-2	39	0	39	21	OCT
*	NOV	32	5	27	-4	4	352	0	1	-2	0	0	0	22	NOV
*	DEC	56	23	33	-27	3	409	0	1	-3	0	0	0	24	DEC
	TOTAL	**736**	**221**	**515**	**-109**	**87**		**642**	**22**	**2**	**637**	**0**	**637**		**TOTAL**
	AVG		**Total Mar-Jul**				**483**							**38**	**AVG**
		454	**137**	**317**	**55%**										

	YEAR	COCHITI RELEASE	NET LOSSES	SAN MARCIAL	<==== LOSSES	ELEPHANT BUTTE EVAP	ELEPHANT BUTTE CONTENT	ELEPHANT BUTTE====> RELEASE	<=== CABALLO EVAP	CABALLO LOSSES	IRRIG. DEMAND	EXCESS RELEASE	TOTAL RELEASE	CABALLO CONTENT	
	2008														**2008**
*	JAN	45	-3	48	-1	3	455	1	1	-2	0	0	0	26	JAN
*	FEB	58	4	54	-4	5	482	25	1	3	7	0	7	41	FEB
*	MAR	135	52	83	-32	8	495	94	2	7	89	0	89	38	MAR
*	APR	209	74	136	-34	12	536	117	3	6	95	0	95	51	APR
*	MAY	260	62	198	1	14	615	104	3	3	103	0	103	46	MAY
*	JUN	238	65	173	5	16	626	141	4	2	125	0	125	56	JUN
*	JUL	82	-11	93	16	9	626	68	3	-19	77	0	77	63	JUL
	AUG	72	22	50	9	16	551	100	3	1	120	0	120	39	AUG
	SEP	50	15	35	-6	12	519	62	1	0	80	0	80	20	SEP
	OCT	47	17	30	-4	10	512	30	1	-2	39	0	39	12	OCT
	NOV	52	-7	59	1	5	565	0	1	-2	0	0	0	13	NOV
	DEC	53	-7	60	2	3	620	0	1	-3	0	0	0	15	DEC
	TOTAL	**1300**	**282**	**1019**	**-48**	**113**		**743**	**23**	**-5**	**734**	**0**	**734**		**TOTAL**
	AVG		**Total Mar-Jul**				**550**							**35**	**AVG**
		924	**242**	**682**	**119%**										

	YEAR	COCHITI RELEASE	NET LOSSES	SAN MARCIAL	<==== LOSSES	ELEPHANT BUTTE EVAP	ELEPHANT BUTTE CONTENT	ELEPHANT BUTTE====> RELEASE	<=== CABALLO EVAP	CABALLO LOSSES	IRRIG. DEMAND	EXCESS RELEASE	TOTAL RELEASE	CABALLO CONTENT	
	2009														**2009**
	JAN	40	-7	47	0	4	663	0	1	-3	0	0	0	17	JAN
	FEB	44	-4	48	-0	8	681	23	1	-2	0	0	0	40	FEB
	MAR	75	15	60	-1	10	604	128	2	2	119	0	119	45	MAR
	APR	157	37	120	-2	16	627	83	2	2	79	0	79	45	APR
	MAY	250	55	195	-4	18	708	100	3	2	90	0	90	50	MAY
	JUN	197	67	130	-6	24	683	137	4	2	131	0	131	50	JUN
	JUL	119	51	68	-7	18	604	136	4	-1	133	0	133	50	JUL
	AUG	78	34	44	-9	14	535	108	2	-3	124	0	124	35	AUG
	SEP	55	23	32	-6	12	499	62	1	-2	78	0	78	20	SEP
	OCT	47	17	30	-2	10	496	25	1	-2	35	0	35	11	OCT
	NOV	52	-7	59	2	5	548	0	1	-2	0	0	0	12	NOV
	DEC	53	-7	60	2	3	602	0	0	-3	0	0	0	14	DEC
	TOTAL	**1167**	**274**	**894**	**-33**	**142**		**802**	**22**	**-9**	**790**	**0**	**790**		**TOTAL**
	AVG		**Total Mar-Jul**				**604**							**32**	**AVG**
		798	**225**	**573**	**100%**										

RECLAMATION

Managing Water in the West

RIO GRANDE PROJECT

2008 WATER SUPPLY & PROJECT ALLOCATION

U. S Dept. of the Interior
Bureau of Reclamation

RECLAMATION

Managing Water in the West

RIO GRANDE PROJECT

2008 PRECIPITATION

Elephant Butte Dam – 6.65 in. (normal – 3.32 in.) [thru Jul 31]
(0.27 in.) [Jul-Sep avg. – 4.53 in.]

Caballo Dam – 6.97 in. (normal – 3.61 in.) [thru Jul 31]
(0.98 in.) [Jul-Sep avg. – 5.15 in.]

Las Cruces, NM – 4.55 in. (normal – 4.55 in.) [thru Aug 12]
(0.21 in.) [Jul-Sep avg. – 5.00 in.]

El Paso, TX – 5.60 in. (normal – 4.69 in.) [thru Aug 12]
(0.34 in.) [Jul-Sep avg. – 4.80 in.]

2008 Rio Grande Project Allocation

Initial Allocation - End of December, 2007

(letter issued Jan. 18, 2008)

Mexico	10,711	AF
Elephant Butte Irrigation District	59,928	AF
El Paso County Water Improvement District # 1	154,901	AF
[24.20% of a full supply]	225,540	AF *

Updated Allocation - End of January, 2008

(letter issued Feb. 21, 2008)

Mexico	26,935	AF
Elephant Butte Irrigation District	151,859	AF
El Paso County Water Improvement District # 1	232,339	AF
[44.12% of a full supply]	411,133	AF *

Updated Allocation - End of February, 2008

(letter issued Mar. 20, 2008)

Mexico	31,519	AF
Elephant Butte Irrigation District	169,877	AF
El Paso County Water Improvement District # 1	258,634	AF
[49.37% of a full supply]	460,030	AF *

Updated Allocation - End of March, 2008

(letter issued Apr. 17, 2008)

Mexico	38,773	AF
Elephant Butte Irrigation District	198,384	AF
El Paso County Water Improvement District # 1	300,239	AF
[57.67% of a full supply]	537,396	AF *

Updated Allocation - End of April, 2008

(letter issued May 28, 2008)

Mexico	52,680	AF
Elephant Butte Irrigation District	253,045	AF
El Paso County Water Improvement District # 1	380,012	AF
[73.59% of a full supply]	685,737	AF *

* Project water supply available for diversion at the authorized canal headings.

2008 Rio Grande Project Allocation

Updated Allocation - End of May, 2008

(letter issued June 17, 2008)

Mexico	59,411	AF
Elephant Butte Irrigation District	329,098	AF
El Paso County Water Improvement District # 1	480,490	AF
[93.26% of a full supply]	868,999	AF *

Updated Allocation - End of June, 2008

(letter issued July 09, 2008)

Mexico	59,485	AF
Elephant Butte Irrigation District	320,838	AF
El Paso County Water Improvement District # 1	500,859	AF
[94.56% of a full supply]	881,182	AF *

Updated Allocation - End of July, 2008

(letter issued August 19, 2008)

Mexico	60,000	AF
Elephant Butte Irrigation District	320,545	AF
El Paso County Water Improvement District # 1	500,637	AF
[94.56% of a full supply]	881,182	AF *

* Project water supply available for diversion at the authorized canal headings.

2008 Rio Grande Project Allocation

Updated Allocation - End of July, 2008

(letter issued August 19, 2008)

Mexico	60,000	AF
Elephant Butte Irrigation District	320,545	AF
El Paso County Water Improvement District # 1	500,637	AF
[94.56% of a full supply]	881,182	AF *

* Project water supply available for diversion at the authorized canal headings.

2007 Rio Grande Project Allocation

Updated Allocation - End of July, 2007

(letter issued August 21, 2007)

Mexico	57,432	AF
Elephant Butte Irrigation District	301,738	AF
El Paso County Water Improvement District # 1	382,436	AF
[79.59% of a full supply]	741,606	AF *

* Project water supply available for diversion at the authorized canal headings.

	Caballo Release AF	2008 Heading Diversions AF	Charges AF	Efficiency %
Jan	0	0		
Feb	6611	3259	3408	52%
Mar	88602	77974	73271	83%
Apr	94705	91555	93749	99%
May	102678	98791	100589	98%
Jun	124520	116118	115426	93%
Jul				
Aug				
Sep				
Oct				
Total	417116	387697	386443	93%

CABALLO RESERVOIR RELEASE TENTATIVE SCHEDULE FOR 2008

* actual release dates.

* Feb. 20:	Release from Caballo Dam for EP#1's orders
* Feb. 21:	Release from Elephant Butte Dam
* Feb. 29:	Release from Caballo Dam for EBID's orders
* March 14:	Release from Caballo Dam for Mexico's orders
* July 26:	Release from Caballo Dam shut down due to heavy rains
* July 29:	Release from Caballo Dam for EBID & EP#1 orders
* Aug. 01:	Release from Caballo Dam for Mexico's orders
Sep. 08:	Tentative End of Irrigation Season for Mexico
Oct. 14:	Tentative shutdown of EButte Dam for end of season
Oct. 15:	Tentative shutdown at Caballo Dam to end irrig. season

RECLAMATION

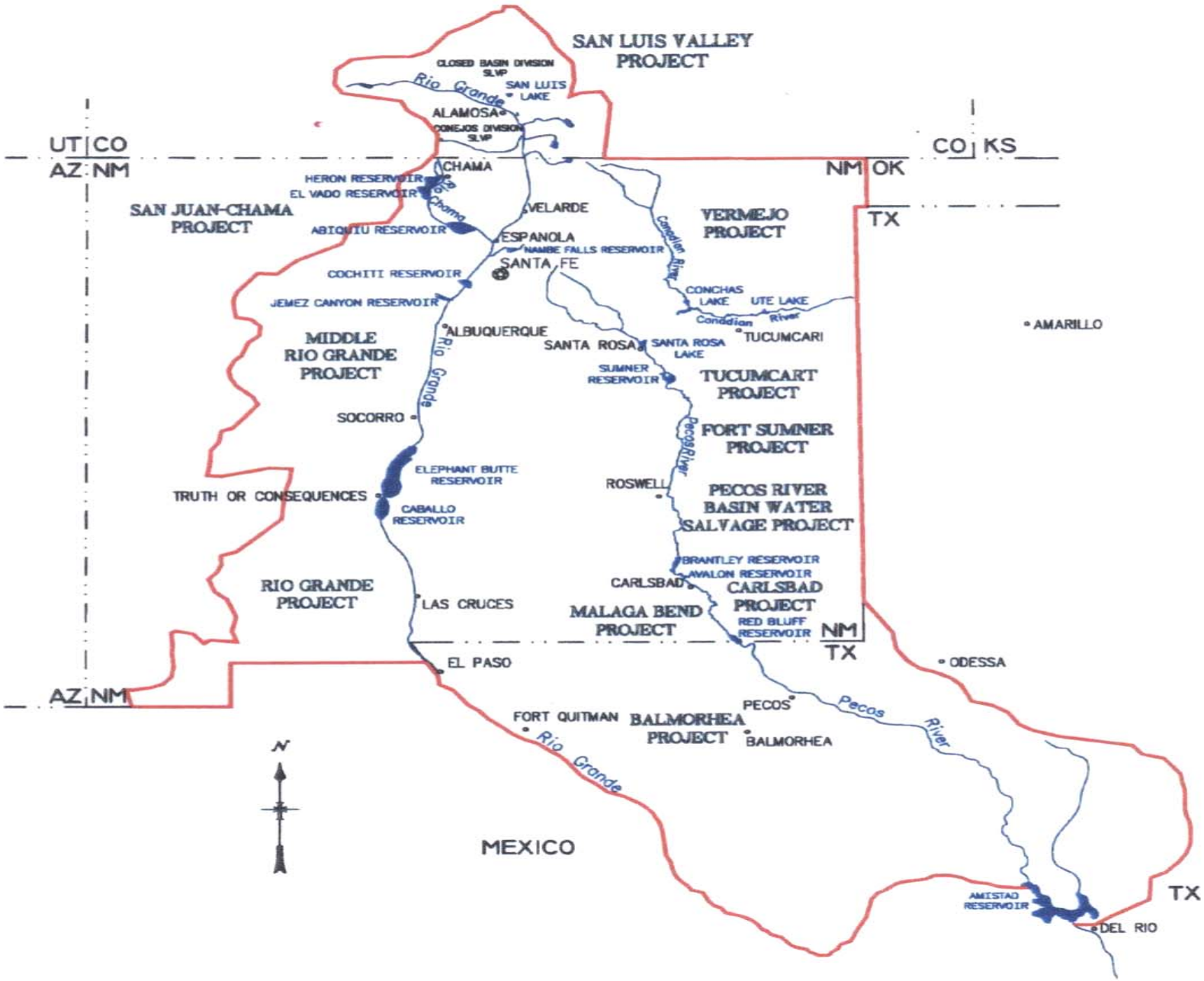
Managing Water in the West

RIO GRANDE PROJECT

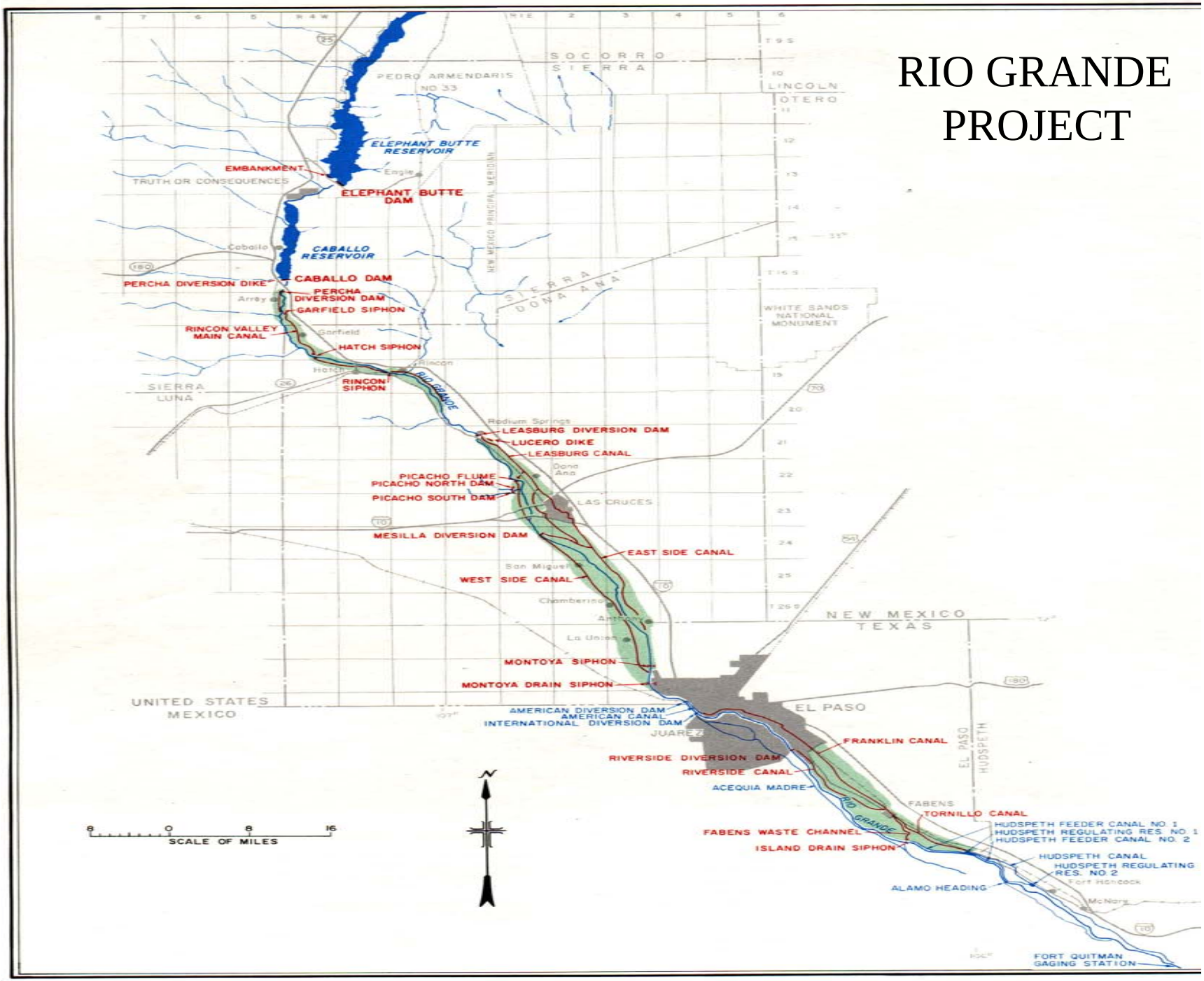
SUPPORTING INFORMATION

U. S Dept. of the Interior
Bureau of Reclamation

ALBUQUERQUE AREA OFFICE
BUREAU OF RECLAMATION



RIO GRANDE PROJECT



RIO GRANDE PROJECT

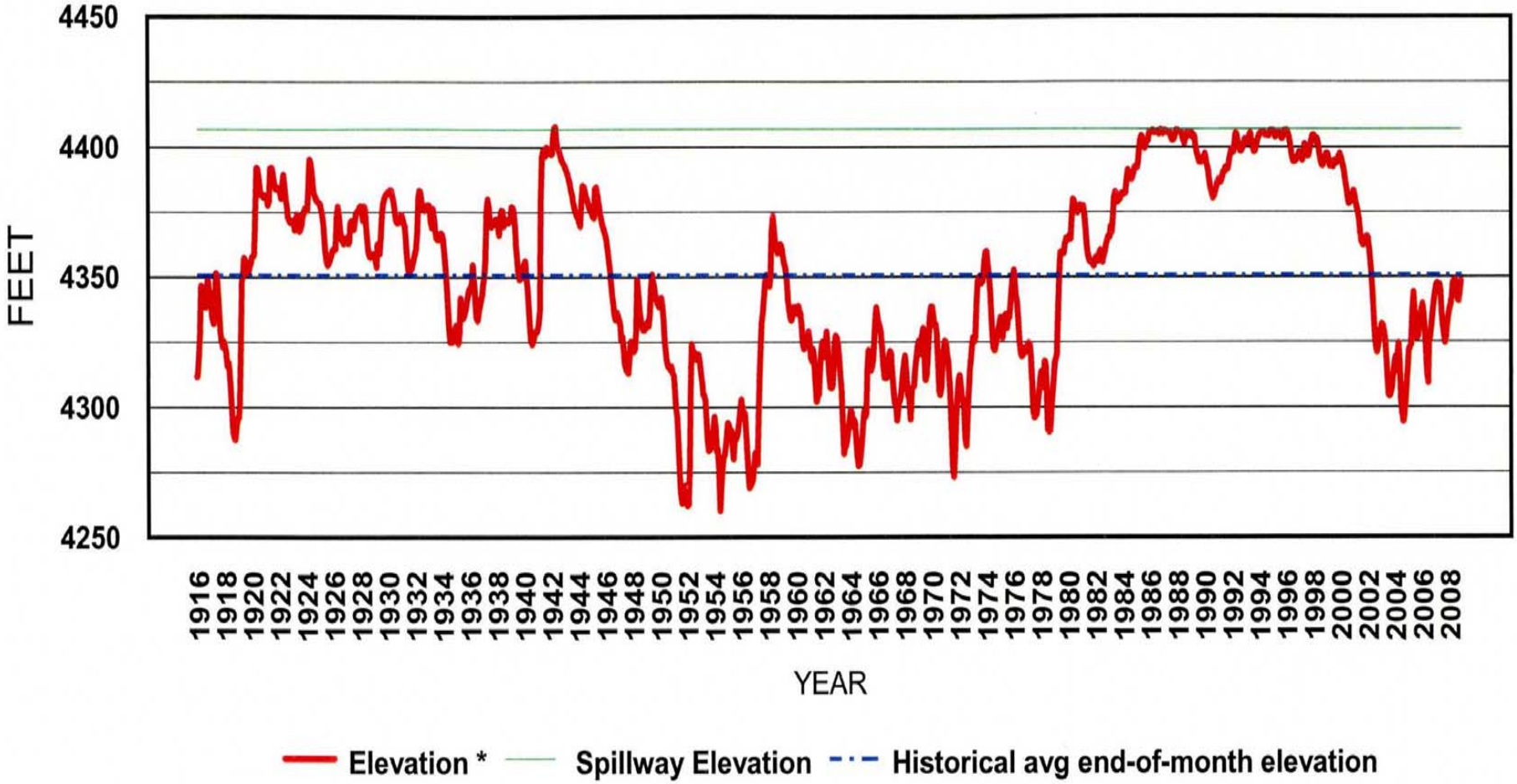
2007 WATER OPERATIONS SUMMARY

ELEPHANT BUTTE RESERVOIR INFLOW	515,050	A-F
ELEPHANT BUTTE RESERVOIR OUTFLOW	642,060	A-F
CABALLO RESERVOIR INFLOW	642,060	A-F
CABALLO RESERVOIR OUTFLOW	636,860	A-F
EBID WATER CHARGES	302,665	A-F
EPCWID#1 WATER CHARGES *	278,252	A-F
CITY OF EL PASO DIVERSIONS	58,792	A-F
HCCRD DIVERSIONS **	82,262	A-F
FT. QUITMAN FLOW ***	63,263	A-F

* Includes City of El Paso diversions.
** System waste and return flows.
*** Includes discharge from Acequia Madre in Mexico.

ELEPHANT BUTTE RESERVOIR

HISTORICAL END-OF-MONTH ELEVATION**

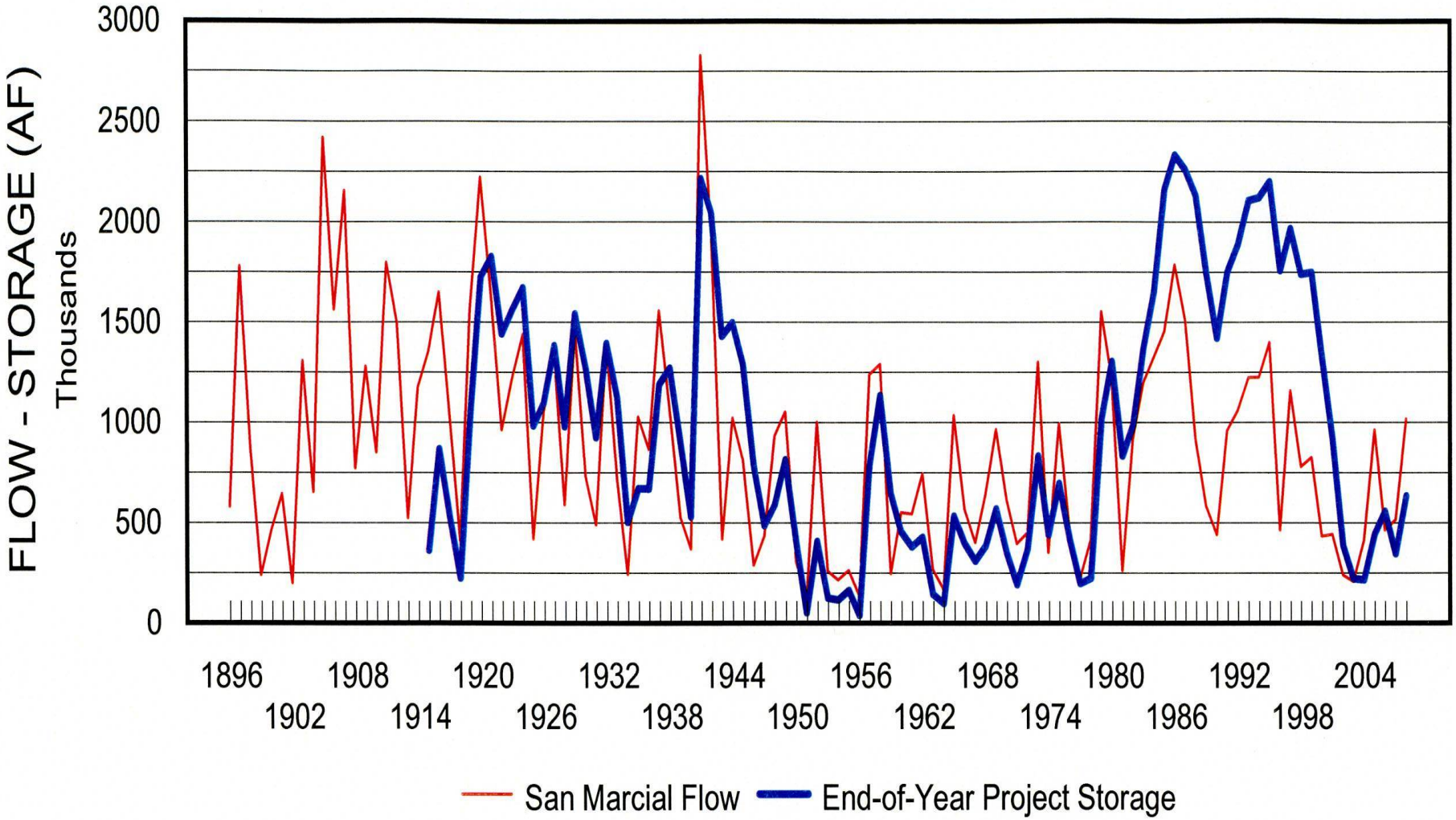


**Data thru July 2008 is actual data; other 2008 data is a projection based on Reclamation's most probable plan.

* BOR project datum. To obtain mean sea level datum, add 43.3 feet

SAN MARCIAL FLOW - RIO GRANDE PROJECT STORAGE

1896 Through 2008*



* End-of-year project storage and San Marcial flow for 2008 is a projection based on Rio Grande Project most probable plan.

STATUS OF RIO GRANDE COMPACT CREDIT WATERS IN ELEPHANT BUTTE RESERVOIR SINCE LAST SPILL FROM RIO GRANDE PROJECT STORAGE *

YEAR	COLORADO (acre-feet)	NEW MEXICO (acre-feet)	
1995	0	0	**SPILL YEAR**
1996	2,400	68,800	
1997	2,900	105,500	
1998	11,500	153,100	
1999	17,700	170,700	
2000	27,000	269,100	
2001	10,100	155,700	
2002	42,800	265,000	
2003	1,200	54,000	
2004	4,400	35,600	
2005	4,600	37,100	
2006	15,500	180,100	
2007	7,200	184,500	

* derived from Rio Grande Compact Commission yearly reports.

2007
RIO GRANDE COMPACT USABLE WATER IN PROJECT STORAGE

Rio Grande Compact Article VII Restriction

Compact usable water went above 400K on Nov. 06, 2006
Compact usable water went below 400K on Jan. 01, 2007
Compact usable water went above 400K on Jan. 29, 2007
Compact usable water went below 400K on Jul. 04, 2007

2002 - 2006
RIO GRANDE COMPACT USABLE WATER IN PROJECT STORAGE

Rio Grande Compact Article VII Restriction

Compact Usable Water Below 400,000 AF – July 4, 2002
Compact Usable Water Above 400,000 AF – May 20, 2005
Compact Usable Water Below 400,000 AF – August 26, 2005
Compact Usable Water Above 400,000 AF – December 27, 2005
Compact Usable Water Below 400,000 AF – April 14, 2006
Compact Usable Water Above 400,000 AF – November 06, 2006
Compact Usable Water Below 400,000 AF – January 01, 2007

RECLAMATION

Rio Grande Project Diversion Ratio (Net Diversion Allocation Charges to Release from Storage)

Year	Release	EBID	EPCWID	Mexico	Total	Diversion Ratio
2001	783,822	437,088	299,246	61,038	797,372	1.017287
2002	801,147	403,962	364,847	60,325	829,134	1.034934
2003	364,528	152,731	126,639	26,948	306,318	0.840314
2004	399,519	159,278	131,321	27,614	318,213	0.796490
2005	676,031	344,687	237,684	58,091	640,462	0.947386
2006	432,770	200,227	169,574	28,532	398,333	0.955300
2007	636,136	302,664	278,251	51,779	632,694	0.994589

	Rio Grande Project Diversion Allocations (July 31, 2008)	ac-ft
2	Elephant Butte Reservoir Storage	626,128
3	Caballo Reservoir Storage	63,358
4	Total Rio Grande Project Storage	689,486
5	Estimated Rio Grande Compact Credit Waters	(65,500)
6	Estimated San Juan-Chama Water	(23,978)
7	Water Released from Storage	495,247
8	Total Usable Water Available for Release	1,095,255
9	Carryover Obligation using Estimated Diversion Ratio	109,165
10	Total Usable Water Available for Current Year Allocation	790,000
11	EBID Allocation Balance (Previous Year)	-
12	EPCWID Allocation Balance (Previous Year)	106,982
13	EBID Estimated Allocation Balance (End-of-Year)	-
14	EPCWID Estimated Allocation Balance (End-of-Year)	138,000
15	Storage for EBID and EPCWID Estimated Allocation Balance (End-of-Year)	140,816
16	Estimated Release of Current Usable Water	758,349
17	Estimated End-of-Year Release for Diversion Ratio	756,176
18	D1 Delivery	524,162
19	Mexico's Current Diversion Allocation	60,000
20	Gross D2 Diversion Allocation	958,055
21	EPCWID ACE Conservation Credit	5,463
22	Net D2 Diversion Allocation for EBID and EPCWID	898,055
23	D2 Diversion Allocation for EPCWID	388,192
24	EPCWID Diversion Allocation (w/o Conservation Credit)	495,174
25	EPCWID Diversion (w/o Conservation Credit or 67/155ths of Row 30)	357,174
26	Diversion Ratio	0.9800 From Diversion ratio table
27	Diversion Ratio Adjustment	(15,167)
28	Sum of Release and Diversion Ratio Adjustment	743,182
29	EBID D2 Diversion Allocation	509,864
30	Difference between EBID Diversion Ratio Allocation and D2 Diversion Allocation	-
31	EBID Diversion Ratio Allocation	320,545
32	EBID Diversion Allocation	320,545
33	Total EBID Diversion Allocation (includes 88/155th of Value in Row 30)	320,545
34	Total EPCWID Allocation (includes Row 21 and 67/155th of Value in Row 30)	500,637
35	Total EBID, EPCWID, and Mexico Allocation	881,182

W Treers
8/14/2008

Status Check of 1906 Treaty Obligation to Deliver Proportionately the Same Amount of Water Supply to the U. S. Lands & Mexico's Canal Heading

U. S. Districts Proportional Delivery to Lands

Water Supply to U. S. Irrigation Districts' Lands = 524,162 - 60,000 = 464,162

Current Allotments as Percentage of Full Supply Allotments to U. S. Lands =

464,162 / 155,000 = 2.99459 AF/acre

2.99459 / 3.024 = **99.03%**

Mexico's Proportional Diversion at Its Canal Heading

Mexico's Acequia Madre Heading Allotment = 60,000

Current Allotment as Percentage of Full Supply Allotment to Canal Heading =

60,000 / 60,000 = **100.00%**

	Rio Grande Project Diversion Allocations (June 30, 2008)	ac-ft
2	Elephant Butte Reservoir Storage	625,545
3	Caballo Reservoir Storage	56,338
4	Total Rio Grande Project Storage	681,883
5	Estimated Rio Grande Compact Credit Waters	(65,500)
6	Estimated San Juan-Chama Water	(24,019)
7	Water Released from Storage	416,863
8	Total Usable Water Available for Release	1,009,227
9	Carryover Obligation using Estimated Diversion Ratio	109,165
10	Total Usable Water Available for Current Year Allocation	790,000
11	EBID Allocation Balance (Previous Year)	-
12	EPCWID Allocation Balance (Previous Year)	106,982
13	EBID Estimated Allocation Balance (End-of-Year)	-
14	EPCWID Estimated Allocation Balance (End-of-Year)	138,000
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23	D2 Diversion Allocation for EPCWID	388,414
24	EPCWID Diversion Allocation (w/o Conservation Credit)	495,396
25	EPCWID Diversion (w/o Conservation Credit or 67/155ths of Row 30)	357,396
26	Diversion Ratio	0.980000
27	Diversion Ratio Adjustment	(15,167)
28	Sum of Release and Diversion Ratio Adjustment	743,182
29	EBID D2 Diversion Allocation	510,156
30	Difference between EBID Diversion Ratio Allocation and D2 Diversion Allocation	-
31	EBID Diversion Ratio Allocation	320,838
32	EBID Diversion Allocation	320,838
33	Total EBID Diversion Allocation (includes 88/155th of Value in Row 30)	320,838
34	Total EPCWID Allocation (includes Row 21 and 67/155th of Value in Row 30)	500,859
35	Total EBID, EPCWID, and Mexico Allocation	881,182

W Treers
7/8/2008

Status Check of 1906 Treaty Obligation to Deliver Proportionately the Same Amount of Water Supply to the U. S. Lands & Mexico's Canal Heading

U. S. Districts Proportional Delivery to Lands

Water Supply to U. S. Irrigation Districts' Lands = 524,162 - 59,485 = 464,677

Current Allotments as Percentage of Full Supply Allotments to U. S. Lands =

464,677 / 155,000 = 2.99792 AF/acre

2.99792 / 3.024 = **99.14%**

Mexico's Proportional Diversion at Its Canal Heading

Mexico's Acequia Madre Heading Allotment = 59,485

Current Allotment as Percentage of Full Supply Allotment to Canal Heading =

59,485 / 60,000 = **99.14%**

ELEPHANT BUTTE RESERVOIR

	TOTAL STORAGE	FLOOD RESERVATION POOL
Top of Conservation Storage Pool: (Rio Grande Project Authorization)	2,023,358 AF (ELEV 4407.00 FT)	
Top of Conservation Storage Pool: Winter (October 1 - March 31)	1,998,358 AF (ELEV 4406.30 FT)	25,000 AF (WINTER)
Top of Conservation Storage Pool: Summer (April 1 - September 30)	1,973,358 AF (ELEV 4405.60 FT)	50,000 AF (SUMMER)
Top of City of Albuquerque SJ-C Pool: 1983 Contract for irrig. and domestic	50,000 AF (ELEV 4295.11 FT)	
Top of Federal Recreation Pool: 1974 Public Law 93-493, 88 Stat. 1486	50,000 AF (ELEV 4282.68 FT)	

CABALLO RESERVOIR

		EXCLUSIVE FLOOD CONTROL
Top of Flood Control Pool:	326,672 AF (ELEV 4182.00 FT)	100,000 AF
Top of Conservation Storage Pool:	226,672 AF (ELEV 4172.44 FT)	
Top of Minimum Fishery Pool: Biological Opinion (1991)	25,000 AF (ELEV 4138.24 FT)	

Court Order No. CIV-90-95 HB/WWD:

October 1 - January 31 (each year), storage level will not exceed 50,000 AF (elev 4146.11 ft)

Operation Plan of Caballo Reservoir during 2008:

February 1 - September 30 (2008), storage level will be maintained such that the storage level shall not exceed 57,000 AF (elev 4147.79 ft) nor drop below 10,000 AF (elev 4130.81 ft) from Feb. 1 to Sep. 30

RIO GRANDE PROJECT HISTORICAL ALLOCATION OF PROJECT WATER SUPPLY

WTreers
03/05/2008

YEAR	EO FEB. TOTAL RIO GRANDE PROJECT STORAGE (acre-feet)	SAN MARCIAL SPRING RUNOFF (Mar-Jul) (acre-feet)	INITIAL ALLOTMENT TO PROJECT LANDS (acre-foot/acre)	FINAL ALLOTMENT TO PROJECT LANDS (acre-foot/acre)	INITIAL ALLOTMENT TO PROJECT CANAL HEADINGS (acre-feet)	FINAL ALLOTMENT TO PROJECT CANAL HEADINGS (acre-feet)	EO OCT. TOTAL RIO GRANDE PROJECT STORAGE (acre-feet)	MEXICO DIVERSION AT ACEQUIA MADRE HEADING (acre-feet) *	INITIAL RELEASE DATE FROM CABALLO DAM	CABALLO DAM TOTAL YEARLY RELEASE (acre-feet)
1951	452,730	17,877	1.00	1.75			32,900	33,059	03/06	469,450
1952	103,920	832,160	0.21	2.50			370,950	49,890	03/20	543,975
1953	468,600	143,170	1.00	1.90			99,990	37,760	03/10	528,628
1954	184,460	76,720	0.42	0.50			91,480	10,147	03/20	244,165
1955	169,850	68,920	0.21	0.42			129,700	8,185	03/20	219,157
1956	212,180	59,885	0.33	0.39			31,040	7,864	03/18	246,140
1957	77,130	600,680	0.10	1.17			645,760	23,290	03/20	397,103
1958	857,510	988,030	1.75	**4.00**			1,007,170	60,050	03/01	737,125
1959	1,185,120	72,590	3.00	**3.50**			575,670	60,110	03/02	687,414
1960	713,550	410,900	2.25	**3.25**			405,820	60,320	03/02	705,162
1961	492,870	269,550	1.25	2.45			223,080	48,610	03/10	561,697
1962	486,570	448,250	1.75	**3.25**			269,580	60,057	03/05	651,941
1963	513,170	116,765	1.85	2.00			109,440	39,693	03/05	517,172
1964	194,790	67,930	0.25	0.33			58,670	6,653	03/15	206,085
1965	172,340	598,290	0.17	1.85			340,940	36,658	03/20	505,598
1966	627,430	328,380	1.75	2.50			312,910	49,618	03/05	610,341
1967	454,710	74,090	1.25	1.50			223,340	29,829	02/27	456,517
1968	386,860	238,560	1.00	2.00			277,530	39,677	02/27	505,691
1969	466,970	358,710	1.25	**3.00**			387,410	59,884	02/27	667,669
1970	614,620	257,960	2.00	**3.00**			223,870	60,065	02/23	661,125
1971	435,640	112,837	1.50	1.75			75,540	34,847	02/26	498,375
1972	283,380	77,630	0.60	0.80			258,910	16,077	03/01	260,911
1973	457,960	914,090	1.00	**3.00**			707,340	60,000	03/09	617,461
1974	915,650	95,430	3.00	**3.00**			376,650	60,050	03/02	640,843
1975	507,700	617,850	1.00	**3.00**			534,490	60,052	01/24	580,617
1976	762,230	204,260	2.50	**3.00**			353,910	60,172	01/16	679,676
1977	482,460	43,374	1.00	1.25			140,460	24,824	03/03	416,496
1978	268,220	248,610	0.25	0.75			112,160	14,903	03/10	356,167
1979	328,690	1,148,880	0.67	**3.00**		**790,000**	855,640	60,055	03/08	568,687
1980	1,080,400	861,894	3.00	**3.00**		**790,000**	1,178,400	60,033	01/17	658,686
1981	1,339,860	54,256	3.00	**3.00**	**750,650**	**750,650**	774,380	60,262	02/04	608,166
1982	878,660	548,573	3.00	**3.00**	**790,000**	**790,000**	866,140	59,257	01/27	635,642
1983	1,070,130	920,545	3.00	**3.00**	**790,000**	**790,000**	1,289,750	60,621	02/03	648,386
1984	1,424,200	831,291	3.00	**3.00**	**902,000**	**902,000**	1,515,500	58,588	02/09	653,150
1985	1,747,700	1,133,599			**902,000**	**902,000**	2,121,600	60,276	02/20	677,398
1986	2,322,200	812,686			**902,000**	**902,000**	2,290,800	66,163	04/01	1,396,165
1987	2,336,900	1,003,319			**902,000**	**902,000**	2,168,400	65,866	02/03	1,376,099
1988	2,383,900	419,098			**902,000**	**902,000**	2,060,100	61,935	01/20	838,008
1989	2,151,900	378,144			**890,900**	**890,900**	1,705,300	58,854	02/13	736,866
1990	1,801,000	159,213			**931,841**	**931,841**	1,319,400	58,353	02/12	680,107
1991	1,509,660	656,638			**931,841**	**931,841**	1,580,080	59,242	02/19	625,956
1992	1,830,380	745,950			**931,841**	**931,841**	1,802,720	58,080	01/09	734,982
1993	1,980,230	742,508			**931,841**	**931,841**	1,978,640	63,763	01/12	823,263
1994	2,155,690	852,845			**931,841**	**931,841**	2,003,860	60,167	01/11	893,384
1995	2,203,730	991,736			**931,841**	**931,841**	2,083,050	63,618	01/17	1,096,146
1996	2,263,420	131,980			**931,841**	**931,841**	1,689,550	60,063	01/12	774,335
1997	1,814,910	600,666			**931,841**	**931,841**	1,814,980	59,442	01/21	798,621
1998	2,036,000	447,172			**931,841**	**931,841**	1,636,860	60,628	01/16	808,661
1999	1,803,410	384,225			**931,841**	**931,841**	1,658,810	58,308	01/27	735,467
2000	1,804,980	159,000			**931,841**	**931,841**	1,243,900	60,611	01/20	751,373
2001	1,359,370	241,000			**931,841**	**931,841**	856,910	61,037	02/02	786,549
2002	974,610	61,095			738,139	**931,841**	323,190	60,324	02/19	801,147
2003	456,140	62,029			74,860	317,495	170,490	26,948	03/17	364,528
2004	288,480	240,387			43,667	353,944	128,010	27,613	03/12	398,612
2005	331,000	738,095			138,549	**931,841**	362,060	58,091	03/09	676,031
2006	517,170	92,521			351,560	472,426	436,950	27,112	03/08	434,228
2007	644,990	316,979			369,466	760,391	346,170	51,245	03/07	636,730

bold number means full irrigation supply for Rio Grande Project water users.

* derived from International Boundary & Water Commission (IBWC) - U. S. Section, Yearly Flow Data Publications.